



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : VF2-L57-750-NS\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]ATAL009599-R2  
[TESTLAB]ATAL-LABS  
[ISSUE DATE]28 NOV 2022  
[MANUFACTURER]WILLIAMS OUTDOOR  
[OTHER]H.E. WILLIAMS, INC. - CARTHAGE, MO.  
[LUMEN CATEGORY]VF2-L57-750-NS-MTG-CLR-OPT-DIM-UNV  
[LUMINAIRE]VOLTAIRE MEDIUM ARCHITECTURAL FLOOD LIGHT WITH  
[MORE]NARROW SPOT MOLDED REFRACTIVE CLEAR ACRYLIC LENS AND A CLEAR  
[MORE]GLASS LENS.  
[LAMP CATEGORY]LUXEON TX 5000K LEDS  
[BALLAST](1) PHILIPS ELECTRONIC DRIVER  
[OTHER]INPUT WATTS: 43, AMPS: 0.4470, VAC: 120.05, TEMP: 24.9 C  
[SEARCH\_SOURCE TYPE] LED  
[SEARCH\_APPLICATION] Outdoor, Architectural, Facade, Landscape, Parking, Site, Flood, Wet Location  
[SEARCH\_MOUNTING] Arm, Ground, Pole, Post Top, Wall  
[SEARCH\_CERTIFICATION] DLC  
[SEARCH\_CLASSIFICATION] IP66

Note: Candela values converted from Type-B to Type-C

### CHARACTERISTICS

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 5296            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 123             |
| Total Luminaire Watts           | 43              |
| Ballast Factor                  | 1.00            |
| CIE Type                        | Direct          |
| Spacing Criterion (0-180)       | 0.36            |
| Spacing Criterion (90-270)      | 0.34            |
| Spacing Criterion (Diagonal)    | 0.34            |
| Basic Luminous Shape            | Unknown         |
| Luminous Length (0-180)         | 0.00 ft         |
| Luminous Width (90-270)         | 0.69 ft         |
| Luminous Height                 | 0.00 ft         |

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**LUMINANCE DATA (cd/sq.m)**

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 0                | 0                 | 0                 |
| 55                  | 0                | 0                 | 0                 |
| 65                  | 0                | 0                 | 0                 |
| 75                  | 0                | 0                 | 0                 |
| 85                  | 0                | 0                 | 0                 |

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**CANDELA TABULATION**

|             | <u>0.0</u>  | <u>2.5</u> | <u>5.0</u> | <u>7.5</u> | <u>10.0</u> | <u>12.5</u> | <u>15.0</u> | <u>17.5</u> | <u>20.0</u> | <u>22.5</u> |
|-------------|---|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>0.0</b>  | 30024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.950 |            |            |            |             |             |             |             |             |             |
| <b>2.5</b>  | 29520.92729510.30829502.19029496.58829493.51329492.97229494.96629499.49029506.53629516.093          |            |            |            |             |             |             |             |             |             |
| <b>5.0</b>  | 27321.39727413.51027513.13127616.95127721.69927796.63927637.65427549.76427480.50127431.723          |            |            |            |             |             |             |             |             |             |
| <b>7.5</b>  | 22820.20122722.65322664.65322646.89022552.14622487.93022463.44622478.52222677.44422589.770          |            |            |            |             |             |             |             |             |             |
| <b>10.0</b> | 15661.74515521.66415437.67015345.20815275.42615253.56015276.98115343.08415232.03615142.370          |            |            |            |             |             |             |             |             |             |
| <b>12.5</b> | 9175.994 9064.973 9025.410 8964.295 8968.929 9010.885 9032.159 8995.850 8973.352 8958.991           |            |            |            |             |             |             |             |             |             |
| <b>15.0</b> | 5309.890 5324.462 5318.871 5282.449 5277.397 5288.077 5290.109 5304.285 5350.858 5350.484           |            |            |            |             |             |             |             |             |             |
| <b>17.5</b> | 3442.401 3450.956 3420.741 3377.457 3346.522 3314.831 3305.688 3330.626 3354.088 3382.165           |            |            |            |             |             |             |             |             |             |
| <b>20.0</b> | 2272.636 2276.055 2252.015 2228.548 2212.686 2219.914 2228.623 2230.069 2243.745 2252.426           |            |            |            |             |             |             |             |             |             |
| <b>22.5</b> | 1553.154 1553.198 1552.832 1560.489 1564.840 1574.713 1581.186 1586.477 1588.996 1588.393           |            |            |            |             |             |             |             |             |             |
| <b>25.0</b> | 1136.511 1137.075 1136.965 1141.536 1140.565 1143.002 1144.320 1148.210 1151.650 1155.297           |            |            |            |             |             |             |             |             |             |
| <b>27.5</b> | 834.940 833.754 836.045 837.548 835.247 834.115 834.347 833.623 837.688 834.170                     |            |            |            |             |             |             |             |             |             |
| <b>30.0</b> | 604.712 603.049 606.041 604.292 600.051 598.775 596.089 594.733 601.806 610.808                     |            |            |            |             |             |             |             |             |             |
| <b>32.5</b> | 438.344 438.450 442.984 441.829 441.699 446.434 447.288 448.055 451.541 450.013                     |            |            |            |             |             |             |             |             |             |
| <b>35.0</b> | 350.032 349.580 351.697 346.516 343.558 343.287 339.521 339.075 339.847 339.870                     |            |            |            |             |             |             |             |             |             |
| <b>37.5</b> | 281.234 280.802 282.979 279.117 278.536 279.522 280.610 283.517 285.651 286.937                     |            |            |            |             |             |             |             |             |             |
| <b>40.0</b> | 241.885 241.549 241.851 239.463 238.883 238.915 239.507 240.725 241.398 240.881                     |            |            |            |             |             |             |             |             |             |
| <b>42.5</b> | 202.535 202.560 202.840 203.681 205.028 206.825 209.036 211.189 212.762 213.397                     |            |            |            |             |             |             |             |             |             |
| <b>45.0</b> | 186.332 186.284 186.275 186.562 187.134 187.908 188.909 189.355 189.209 189.087                     |            |            |            |             |             |             |             |             |             |
| <b>47.5</b> | 170.129 170.302 170.801 171.590 172.641 173.922 175.403 176.011 176.441 177.133                     |            |            |            |             |             |             |             |             |             |
| <b>50.0</b> | 179.388 179.430 180.339 181.094 181.285 180.990 180.264 177.743 174.179 169.236                     |            |            |            |             |             |             |             |             |             |
| <b>52.5</b> | 188.647 188.913 191.224 193.561 195.108 196.656 198.009 197.936 197.481 196.104                     |            |            |            |             |             |             |             |             |             |
| <b>55.0</b> | 197.906 198.470 202.306 206.330 209.243 213.094 216.716 219.461 222.966 224.824                     |            |            |            |             |             |             |             |             |             |
| <b>57.5</b> | 223.657 224.075 226.255 228.293 226.556 229.110 234.771 237.143 244.616 251.462                     |            |            |            |             |             |             |             |             |             |
| <b>60.0</b> | 249.408 249.744 250.611 250.834 243.177 244.423 252.715 248.062 254.216 257.645                     |            |            |            |             |             |             |             |             |             |
| <b>62.5</b> | 275.158 275.320 274.837 273.051 258.537 259.213 268.370 259.502 262.014 261.980                     |            |            |            |             |             |             |             |             |             |
| <b>65.0</b> | 300.909 300.813 298.948 294.981 273.338 275.871 281.887 269.726 268.446 265.002                     |            |            |            |             |             |             |             |             |             |
| <b>67.5</b> | 256.930 257.102 257.414 256.547 242.377 249.052 254.903 250.107 252.161 253.076                     |            |            |            |             |             |             |             |             |             |
| <b>70.0</b> | 212.951 212.871 213.601 213.355 204.061 209.849 211.927 209.795 210.936 211.626                     |            |            |            |             |             |             |             |             |             |
| <b>72.5</b> | 168.972 168.692 169.779 169.762 165.662 169.724 169.973 169.063 169.852 170.064                     |            |            |            |             |             |             |             |             |             |
| <b>75.0</b> | 124.993 124.556 125.949 126.939 127.191 128.822 128.883 127.978 128.886 128.409                     |            |            |            |             |             |             |             |             |             |
| <b>77.5</b> | 93.745 93.818 95.692 96.572 96.896 97.759 97.418 96.072 96.206 94.684                               |            |            |            |             |             |             |             |             |             |
| <b>80.0</b> | 62.497 63.146 65.771 66.853 67.394 68.323 68.253 67.547 67.853 67.384                               |            |            |            |             |             |             |             |             |             |
| <b>82.5</b> | 31.248 32.468 35.870 37.147 37.894 38.901 39.143 39.119 39.684 40.281                               |            |            |            |             |             |             |             |             |             |
| <b>85.0</b> | 0.000 1.783 5.981 7.450 8.393 9.488 10.072 10.717 11.630 13.310                                     |            |            |            |             |             |             |             |             |             |
| <b>87.5</b> | 0.000 0.868 2.900 3.502 3.816 4.149 4.193 4.247 4.409 5.006   |            |            |            |             |             |             |             |             |             |
| <b>90.0</b> | 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>25.0</u>  | <u>27.5</u> | <u>30.0</u> | <u>32.5</u> | <u>35.0</u> | <u>37.5</u> | <u>40.0</u> | <u>42.5</u> | <u>45.0</u> | <u>47.5</u> |
|-------------|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>0.0</b>  | 30024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.950 |             |             |             |             |             |             |             |             |             |
| <b>2.5</b>  | 29534.26229472.47129444.24629418.12129416.66529369.24929338.94729312.39229289.64929270.767 |             |             |             |             |             |             |             |             |             |
| <b>5.0</b>  | 27405.13227402.25827424.43927472.81527675.99127644.34827444.28027324.01827227.82227155.953 |             |             |             |             |             |             |             |             |             |
| <b>7.5</b>  | 22526.54522397.25322308.13322259.60622251.99322271.18322269.84122396.24922196.72722304.625 |             |             |             |             |             |             |             |             |             |
| <b>10.0</b> | 15268.79515044.14615064.75415076.57415094.25515116.91315142.46315169.36315295.32915120.163 |             |             |             |             |             |             |             |             |             |
| <b>12.5</b> | 8954.726 8958.009 9027.081 9144.885 9221.919 9239.391 9225.691 9178.384 9107.156 9089.611  |             |             |             |             |             |             |             |             |             |
| <b>15.0</b> | 5377.182 5402.778 5435.085 5435.590 5476.760 5524.094 5509.468 5505.941 5519.772 5518.602  |             |             |             |             |             |             |             |             |             |
| <b>17.5</b> | 3397.640 3389.886 3373.977 3372.370 3409.698 3423.888 3417.592 3434.993 3414.088 3405.523  |             |             |             |             |             |             |             |             |             |
| <b>20.0</b> | 2253.257 2260.658 2241.567 2241.321 2244.319 2255.610 2244.752 2233.203 2246.062 2245.776  |             |             |             |             |             |             |             |             |             |
| <b>22.5</b> | 1586.118 1582.671 1579.754 1581.986 1592.425 1593.557 1586.687 1570.078 1585.906 1590.960  |             |             |             |             |             |             |             |             |             |
| <b>25.0</b> | 1156.840 1158.060 1166.162 1170.462 1170.331 1165.710 1163.562 1168.613 1172.847 1176.911  |             |             |             |             |             |             |             |             |             |
| <b>27.5</b> | 840.048 845.705 851.039 854.853 855.313 853.323 858.398 861.964 861.778 862.266            |             |             |             |             |             |             |             |             |             |
| <b>30.0</b> | 610.733 612.230 614.690 612.079 609.333 617.033 620.203 618.859 621.331 625.656            |             |             |             |             |             |             |             |             |             |

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**CANDELA TABULATION - (Cont.)**

|      |         |         |         |         |         |         |         |         |         |         |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 32.5 | 445.024 | 443.684 | 441.025 | 446.033 | 452.141 | 453.163 | 451.532 | 452.762 | 454.790 | 456.260 |
| 35.0 | 347.152 | 348.708 | 339.248 | 342.325 | 345.864 | 346.999 | 351.129 | 351.072 | 346.880 | 340.892 |
| 37.5 | 288.195 | 275.486 | 268.355 | 272.994 | 282.361 | 287.083 | 286.520 | 280.593 | 274.618 | 277.305 |
| 40.0 | 240.823 | 238.756 | 239.448 | 241.255 | 243.161 | 243.899 | 242.208 | 239.994 | 239.914 | 239.103 |
| 42.5 | 213.821 | 213.331 | 212.360 | 211.756 | 213.247 | 214.203 | 213.802 | 213.818 | 212.665 | 213.240 |
| 45.0 | 190.549 | 191.716 | 192.791 | 193.471 | 193.472 | 192.683 | 192.481 | 193.705 | 194.078 | 193.503 |
| 47.5 | 177.834 | 178.242 | 178.533 | 177.915 | 178.762 | 179.427 | 179.682 | 180.274 | 179.746 | 179.539 |
| 50.0 | 167.748 | 170.243 | 172.295 | 174.776 | 175.326 | 173.343 | 169.736 | 173.205 | 174.255 | 176.279 |
| 52.5 | 192.663 | 188.154 | 183.476 | 178.183 | 180.431 | 182.327 | 184.069 | 181.817 | 179.307 | 183.466 |
| 55.0 | 224.034 | 221.054 | 220.817 | 218.244 | 213.240 | 209.170 | 204.688 | 208.036 | 209.809 | 207.810 |
| 57.5 | 256.467 | 256.868 | 260.916 | 258.811 | 254.098 | 253.170 | 250.680 | 246.329 | 244.797 | 242.805 |
| 60.0 | 260.828 | 268.311 | 280.477 | 288.596 | 297.593 | 297.994 | 293.055 | 284.566 | 277.970 | 268.148 |
| 62.5 | 262.468 | 267.532 | 273.918 | 279.322 | 289.744 | 304.680 | 312.832 | 317.256 | 297.650 | 280.251 |
| 65.0 | 262.717 | 263.824 | 265.370 | 267.842 | 273.899 | 281.542 | 285.102 | 289.765 | 283.739 | 277.176 |
| 67.5 | 255.053 | 257.485 | 255.030 | 253.624 | 253.895 | 254.375 | 254.812 | 253.645 | 248.716 | 244.088 |
| 70.0 | 213.070 | 215.388 | 218.065 | 220.390 | 222.642 | 223.239 | 222.204 | 219.312 | 215.684 | 210.843 |
| 72.5 | 171.006 | 172.593 | 174.221 | 175.353 | 176.777 | 177.001 | 177.693 | 178.553 | 179.896 | 175.128 |
| 75.0 | 128.873 | 129.562 | 130.073 | 130.228 | 130.774 | 131.133 | 131.867 | 132.895 | 133.447 | 130.862 |
| 77.5 | 93.782  | 92.314  | 90.034  | 87.042  | 85.079  | 85.581  | 86.457  | 87.672  | 88.800  | 88.905  |
| 80.0 | 67.131  | 66.463  | 65.311  | 63.502  | 61.627  | 59.639  | 57.421  | 55.001  | 53.073  | 51.260  |
| 82.5 | 40.613  | 40.915  | 40.943  | 40.364  | 39.727  | 38.991  | 37.879  | 36.581  | 35.822  | 35.038  |
| 85.0 | 14.183  | 15.574  | 16.824  | 17.508  | 18.142  | 18.702  | 18.713  | 18.591  | 18.976  | 19.287  |
| 87.5 | 5.107   | 5.586   | 6.012   | 6.173   | 6.356   | 6.562   | 6.425   | 6.284   | 6.543   | 6.847   |
| 90.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |

**Vert. Horizontal Angles**  
**Angles**

|      | <b>50.0</b>   | <b>52.5</b> | <b>55.0</b> | <b>57.5</b> | <b>60.0</b> | <b>62.5</b> | <b>65.0</b> | <b>67.5</b> | <b>70.0</b> | <b>72.5</b> |
|------|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 0.0  | 30024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.950 |             |             |             |             |             |             |             |             |             |
| 2.5  | 29255.77729244.69429237.51229234.21129234.75229239.07829266.64729243.60429222.23729203.127          |             |             |             |             |             |             |             |             |             |
| 5.0  | 27108.49827125.03027041.14527000.02226978.68726976.61926993.16727006.59227000.82527003.507          |             |             |             |             |             |             |             |             |             |
| 7.5  | 22080.13822010.29021974.42522039.18121919.00421882.91021881.88821872.17921923.54221707.037          |             |             |             |             |             |             |             |             |             |
| 10.0 | 15053.37214990.09614904.45014818.10714803.40314650.39114728.14314628.34014615.95314660.651          |             |             |             |             |             |             |             |             |             |
| 12.5 | 9115.015 9122.026 9112.199 9091.917 9053.120 9110.927 9032.005 9041.083 9033.104 9017.983           |             |             |             |             |             |             |             |             |             |
| 15.0 | 5546.125 5546.363 5534.676 5506.540 5448.013 5508.621 5514.397 5534.471 5537.409 5527.020           |             |             |             |             |             |             |             |             |             |
| 17.5 | 3416.715 3445.011 3476.888 3485.977 3530.552 3517.706 3540.536 3555.105 3553.276 3539.641           |             |             |             |             |             |             |             |             |             |
| 20.0 | 2238.259 2267.271 2281.883 2284.434 2288.594 2323.151 2349.778 2370.719 2397.283 2380.385           |             |             |             |             |             |             |             |             |             |
| 22.5 | 1593.489 1604.487 1614.399 1624.231 1625.731 1637.698 1660.198 1679.827 1694.711 1717.138           |             |             |             |             |             |             |             |             |             |
| 25.0 | 1180.983 1192.908 1192.788 1203.771 1210.891 1213.971 1214.763 1224.421 1239.533 1244.690           |             |             |             |             |             |             |             |             |             |
| 27.5 | 870.055 873.812 875.236 881.489 889.070 895.299 898.540 899.580 900.171 904.932                     |             |             |             |             |             |             |             |             |             |
| 30.0 | 624.457 627.495 633.678 632.888 633.939 641.672 646.207 645.472 641.135 634.738                     |             |             |             |             |             |             |             |             |             |
| 32.5 | 457.549 458.373 457.027 458.220 462.091 460.095 451.663 447.595 447.453 457.554                     |             |             |             |             |             |             |             |             |             |
| 35.0 | 345.264 348.907 346.922 335.590 334.853 340.906 334.356 316.835 292.942 305.733                     |             |             |             |             |             |             |             |             |             |
| 37.5 | 274.415 270.222 277.515 280.287 275.612 267.300 259.935 257.837 256.728 257.344                     |             |             |             |             |             |             |             |             |             |
| 40.0 | 238.097 238.028 238.312 238.828 238.384 237.735 237.396 236.125 236.331 237.667                     |             |             |             |             |             |             |             |             |             |
| 42.5 | 213.448 212.769 213.520 214.298 214.011 213.328 212.885 213.330 213.205 212.128                     |             |             |             |             |             |             |             |             |             |
| 45.0 | 192.142 193.241 193.808 193.785 193.206 193.683 193.623 192.957 191.721 189.747                     |             |             |             |             |             |             |             |             |             |
| 47.5 | 180.434 179.033 178.021 179.169 179.243 178.923 177.719 176.517 176.603 176.087                     |             |             |             |             |             |             |             |             |             |
| 50.0 | 174.457 173.716 173.608 170.372 169.803 168.953 171.798 169.834 166.205 164.388                     |             |             |             |             |             |             |             |             |             |
| 52.5 | 183.664 183.509 181.176 176.612 174.141 179.959 177.846 171.362 170.703 175.609                     |             |             |             |             |             |             |             |             |             |
| 55.0 | 204.555 206.879 203.303 202.012 204.853 203.588 200.440 198.439 198.335 199.204                     |             |             |             |             |             |             |             |             |             |
| 57.5 | 239.278 237.239 240.241 241.820 240.422 234.989 231.768 230.542 229.595 228.236                     |             |             |             |             |             |             |             |             |             |
| 60.0 | 266.711 268.082 271.744 280.849 270.645 258.478 255.474 258.889 260.314 250.331                     |             |             |             |             |             |             |             |             |             |
| 62.5 | 272.703 278.006 291.238 288.555 277.995 270.108 267.515 274.290 262.591 247.453                     |             |             |             |             |             |             |             |             |             |
| 65.0 | 270.709 270.664 275.187 271.762 269.256 262.600 261.039 251.027 242.765 236.411                     |             |             |             |             |             |             |             |             |             |
| 67.5 | 244.850 249.409 245.527 239.806 238.272 241.744 232.090 223.109 215.959 212.124                     |             |             |             |             |             |             |             |             |             |

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**PHOTOMETRIC FILENAME : VF2-L57-750-NS\_.IES**

**CANDELA TABULATION - (Cont.)**

|             |         |         |         |         |         |         |         |         |         |         |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>70.0</b> | 208.211 | 207.598 | 205.008 | 202.907 | 200.437 | 198.284 | 195.917 | 191.111 | 184.362 | 180.984 |
| <b>72.5</b> | 168.585 | 165.245 | 162.549 | 160.242 | 158.687 | 157.233 | 154.657 | 151.908 | 148.988 | 145.947 |
| <b>75.0</b> | 127.359 | 124.761 | 121.273 | 118.853 | 118.883 | 118.388 | 116.436 | 112.733 | 110.002 | 112.431 |
| <b>77.5</b> | 88.361  | 87.581  | 85.888  | 83.731  | 83.426  | 82.802  | 82.207  | 79.664  | 79.533  | 80.791  |
| <b>80.0</b> | 50.976  | 52.287  | 52.770  | 53.656  | 55.081  | 55.382  | 54.248  | 52.093  | 53.751  | 54.705  |
| <b>82.5</b> | 34.028  | 32.664  | 30.849  | 29.961  | 29.419  | 31.129  | 32.415  | 33.081  | 33.556  | 33.085  |
| <b>85.0</b> | 19.639  | 19.759  | 19.558  | 19.679  | 19.750  | 19.643  | 19.300  | 18.821  | 18.024  | 18.124  |
| <b>87.5</b> | 7.488   | 8.220   | 9.058   | 9.678   | 10.416  | 11.048  | 11.572  | 11.965  | 12.163  | 12.079  |
| <b>90.0</b> | 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><b>75.0</b></u>  | <u><b>77.5</b></u> | <u><b>80.0</b></u> | <u><b>82.5</b></u> | <u><b>85.0</b></u> | <u><b>87.5</b></u> | <u><b>90.0</b></u> | <u><b>92.5</b></u> | <u><b>95.0</b></u> | <u><b>97.5</b></u> |
|-------------|---|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| <b>0.0</b>  | 30024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.950 |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>2.5</b>  | 29186.31329171.83629159.72929150.02229142.74029137.90529135.53329095.20129057.48929022.535          |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>5.0</b>  | 27014.81527062.87327020.97826987.92126964.08126949.47526944.10326869.23126803.59626747.204          |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>7.5</b>  | 21641.74421514.28921428.85121380.32321274.09321208.60821183.71721080.23321016.73420986.909          |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>10.0</b> | 14585.73014569.74614530.48514487.99714459.57114391.67914373.62214284.09114243.21714168.566          |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>12.5</b> | 8988.004 8954.987 8923.152 8884.914 8863.461 8821.580 8811.721 8769.056 8757.326 8726.097           |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>15.0</b> | 5512.889 5480.341 5448.220 5422.979 5386.978 5361.022 5346.925 5326.866 5320.768 5326.172           |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>17.5</b> | 3518.779 3545.637 3527.346 3535.676 3541.206 3543.135 3539.618 3521.249 3501.608 3481.510           |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>20.0</b> | 2367.911 2352.549 2367.037 2382.714 2401.605 2414.677 2412.674 2390.982 2368.366 2348.211           |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>22.5</b> | 1712.379 1710.716 1706.784 1702.532 1698.769 1698.510 1698.980 1697.763 1699.178 1700.902           |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>25.0</b> | 1252.994 1253.021 1253.178 1252.747 1253.399 1254.124 1255.332 1255.975 1255.097 1254.628           |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>27.5</b> | 907.588 909.347 910.105 910.869 911.591 912.495 913.971 915.050 914.619 914.784                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>30.0</b> | 627.929 629.628 631.859 634.113 635.397 635.816 645.508 639.156 640.249 640.466                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>32.5</b> | 454.217 447.504 438.979 431.223 424.443 420.661 448.036 424.345 430.251 438.804                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>35.0</b> | 327.988 327.310 325.925 324.905 323.701 324.198 347.331 326.482 327.923 330.612                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>37.5</b> | 275.069 273.249 268.851 264.960 261.272 260.312 270.818 260.353 262.637 266.765                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>40.0</b> | 237.607 235.565 233.829 232.384 231.622 231.977 237.255 231.977 232.779 233.904                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>42.5</b> | 211.530 209.302 206.529 205.108 204.076 203.913 203.692 204.247 205.233 206.455                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>45.0</b> | 188.660 188.541 187.350 186.413 186.069 185.850 185.754 186.145 186.686 187.571                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>47.5</b> | 174.833 173.694 172.353 170.093 168.907 168.232 167.815 168.242 169.464 171.251                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>50.0</b> | 164.467 168.732 170.822 170.437 169.456 169.309 168.586 168.942 169.890 170.706                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>52.5</b> | 179.785 180.847 179.566 176.517 173.179 171.050 169.358 170.290 172.531 175.054                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>55.0</b> | 199.619 196.581 191.350 184.405 177.752 173.042 170.129 171.897 175.739 180.690                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>57.5</b> | 224.627 215.658 206.676 200.570 196.603 194.486 192.697 193.402 194.288 195.998                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>60.0</b> | 236.089 226.153 220.254 217.588 216.326 216.372 215.266 215.033 214.011 213.377                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>62.5</b> | 237.038 231.467 230.113 232.533 235.213 238.032 237.834 236.199 232.314 227.419                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>65.0</b> | 229.616 229.708 234.553 243.758 252.780 259.014 260.402 256.712 248.629 237.814                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>67.5</b> | 212.335 217.942 224.844 223.615 222.473 220.317 219.316 218.550 219.298 218.606                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>70.0</b> | 182.927 184.611 185.435 183.592 181.968 179.527 178.231 178.335 179.725 179.943                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>72.5</b> | 146.580 147.374 147.198 145.047 142.110 138.546 137.145 137.927 140.270 142.720                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>75.0</b> | 112.855 112.529 111.017 107.855 102.585 98.036 96.059 98.123 102.126 105.923                        |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>77.5</b> | 81.506 80.362 78.457 75.810 75.624 74.682 74.070 75.519 75.562 75.084                               |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>80.0</b> | 54.414 52.571 52.464 56.020 55.720 53.801 52.080 53.801 54.905 55.345                               |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>82.5</b> | 32.601 32.384 34.928 36.929 36.890 33.196 30.091 32.759 36.838 36.637                               |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>85.0</b> | 17.995 18.666 20.452 21.943 21.622 15.029 8.101 14.650 21.508 21.997                                |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>87.5</b> | 11.572 11.470 11.487 12.432 12.408 9.001 4.051 9.001 12.465 12.550                                  |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| <b>90.0</b> | 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><b>100.0</b></u>  | <u><b>102.5</b></u> | <u><b>105.0</b></u> | <u><b>107.5</b></u> | <u><b>110.0</b></u> | <u><b>112.5</b></u> | <u><b>115.0</b></u> | <u><b>117.5</b></u> | <u><b>120.0</b></u> | <u><b>122.5</b></u> |
|------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| <b>0.0</b> | 30024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.950          |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| <b>2.5</b> | 28990.47228961.42528935.51328912.84528893.52128861.68628861.08728844.16028829.67128817.573 |                     |                     |                     |                     |                     |                     |                     |                     |                     |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF2-L57-750-NS\_.IES**

**CANDELA TABULATION - (Cont.)**

|      |  |
|------|--|
| 5.0  | 26700.04226635.61326543.31226465.63626403.57126305.59426286.32926205.00326145.75826109.375 |
| 7.5  | 20902.66520845.56620790.64420756.38820826.25820660.57620570.50020478.22220420.70920383.688 |
| 10.0 | 14107.65814047.41613969.57213917.46413823.11513750.73813769.90013611.03313594.89213557.434 |
| 12.5 | 8710.579 8689.896 8666.505 8636.066 8592.762 8541.893 8478.959 8491.309 8401.600 8400.850  |
| 15.0 | 5325.978 5333.766 5335.430 5346.411 5348.836 5341.063 5312.218 5270.044 5225.086 5239.874  |
| 17.5 | 3459.948 3451.197 3419.283 3425.403 3432.103 3429.632 3414.468 3389.624 3381.756 3355.287  |
| 20.0 | 2331.289 2310.854 2316.365 2319.861 2316.930 2307.159 2290.600 2269.765 2241.007 2227.273  |
| 22.5 | 1701.756 1698.994 1693.613 1684.318 1671.637 1657.059 1641.192 1623.522 1612.875 1613.840  |
| 25.0 | 1253.627 1251.433 1248.852 1243.677 1239.569 1231.023 1224.194 1221.286 1217.059 1212.104  |
| 27.5 | 914.075 913.619 912.028 910.685 907.072 908.510 910.388 909.528 905.478 899.525            |
| 30.0 | 641.255 640.388 643.099 652.421 660.367 664.988 665.917 659.338 654.956 654.880            |
| 32.5 | 448.542 458.487 467.982 474.158 478.142 475.466 473.608 481.891 482.188 478.223            |
| 35.0 | 332.491 335.387 336.448 337.039 337.832 322.909 343.475 351.704 345.622 346.826            |
| 37.5 | 271.257 276.478 280.894 285.251 262.453 258.152 260.011 268.258 278.698 283.716            |
| 40.0 | 234.986 236.517 238.560 238.753 237.401 236.725 237.283 237.481 238.071 238.348            |
| 42.5 | 207.635 209.587 211.938 212.558 213.364 213.133 212.182 212.179 212.473 212.603            |
| 45.0 | 188.014 188.541 188.559 188.783 190.811 191.640 191.762 191.332 190.479 190.970            |
| 47.5 | 172.509 173.576 173.972 174.694 174.759 174.032 174.665 175.423 175.392 175.001            |
| 50.0 | 169.912 167.222 163.035 162.120 163.195 165.755 166.879 164.041 164.452 164.636            |
| 52.5 | 177.171 176.982 175.531 170.854 165.351 164.486 169.355 170.787 165.843 165.528            |
| 55.0 | 186.490 190.152 192.362 191.124 189.555 188.089 187.184 188.626 189.177 184.101            |
| 57.5 | 199.739 206.874 213.828 216.957 218.602 218.942 217.899 217.989 219.634 218.081            |
| 60.0 | 213.066 217.251 225.020 238.741 249.978 248.884 243.660 241.884 246.047 251.008            |
| 62.5 | 223.094 222.829 227.365 238.442 255.131 267.897 257.652 253.538 255.800 263.921            |
| 65.0 | 228.011 222.062 222.259 229.897 236.950 244.749 253.157 248.853 251.403 253.023            |
| 67.5 | 219.332 212.442 206.915 206.870 210.329 216.139 222.447 229.387 225.093 226.490            |
| 70.0 | 180.898 180.599 178.373 176.072 178.612 183.576 187.230 189.340 191.289 193.900            |
| 72.5 | 144.252 144.279 142.773 141.766 144.264 146.683 149.087 151.417 152.871 154.641            |
| 75.0 | 109.529 110.017 110.112 109.667 107.926 110.306 113.464 115.303 116.045 116.491            |
| 77.5 | 77.086 78.955 79.750 79.698 78.793 78.838 81.146 81.960 82.892 83.492                      |
| 80.0 | 52.030 51.755 54.156 54.651 53.804 52.176 54.409 55.770 55.812 54.821                      |
| 82.5 | 34.678 32.791 33.331 33.748 34.102 33.745 33.370 32.504 31.207 31.814                      |
| 85.0 | 21.042 19.351 18.444 18.543 18.629 19.552 20.110 20.499 20.626 20.557                      |
| 87.5 | 11.487 11.470 11.582 12.180 12.298 12.098 11.677 11.107 10.396 9.678                       |
| 90.0 | 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>125.0</u>  | <u>127.5</u> | <u>130.0</u> | <u>132.5</u> | <u>135.0</u> | <u>137.5</u> | <u>140.0</u> | <u>142.5</u> | <u>145.0</u> | <u>147.5</u> |
|--------|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0    | 30024.95030024.9 |              |              |              |              |              |              |              |              |              |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF2-L57-750-NS\_.IES**

**CANDELA TABULATION - (Cont.)**

|      |         |         |         |         |         |         |         |         |         |         |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 42.5 | 212.109 | 211.687 | 211.755 | 210.765 | 209.381 | 212.502 | 213.654 | 213.969 | 213.162 | 212.088 |
| 45.0 | 191.062 | 190.325 | 188.829 | 189.869 | 190.460 | 190.615 | 190.011 | 191.098 | 191.856 | 191.701 |
| 47.5 | 173.779 | 174.401 | 175.591 | 175.209 | 175.471 | 176.043 | 176.013 | 176.192 | 175.643 | 174.293 |
| 50.0 | 166.476 | 166.098 | 166.763 | 168.410 | 167.350 | 166.795 | 164.563 | 166.911 | 168.044 | 167.379 |
| 52.5 | 168.310 | 169.922 | 168.859 | 169.048 | 166.635 | 168.671 | 170.000 | 168.250 | 166.533 | 164.927 |
| 55.0 | 183.867 | 186.564 | 183.194 | 184.010 | 186.103 | 183.914 | 181.360 | 185.290 | 188.946 | 192.145 |
| 57.5 | 215.080 | 214.224 | 215.127 | 213.607 | 211.551 | 212.732 | 216.286 | 218.957 | 219.874 | 221.305 |
| 60.0 | 246.671 | 247.346 | 245.366 | 239.301 | 239.058 | 243.170 | 249.984 | 253.961 | 253.290 | 244.531 |
| 62.5 | 268.343 | 258.768 | 255.682 | 255.006 | 259.893 | 269.129 | 266.669 | 261.115 | 249.622 | 241.068 |
| 65.0 | 256.604 | 254.252 | 255.595 | 258.683 | 254.398 | 251.822 | 248.178 | 245.925 | 240.013 | 235.123 |
| 67.5 | 232.719 | 237.207 | 232.774 | 231.735 | 229.818 | 228.722 | 228.027 | 227.809 | 227.262 | 226.699 |
| 70.0 | 196.207 | 199.031 | 199.509 | 201.486 | 203.969 | 204.560 | 206.374 | 205.941 | 203.440 | 199.979 |
| 72.5 | 157.210 | 160.206 | 163.575 | 168.876 | 172.481 | 169.697 | 167.719 | 165.492 | 163.882 | 161.429 |
| 75.0 | 118.919 | 122.500 | 124.781 | 127.275 | 129.095 | 127.851 | 126.361 | 124.967 | 123.915 | 122.638 |
| 77.5 | 85.488  | 86.849  | 87.242  | 87.377  | 87.107  | 86.018  | 85.054  | 84.383  | 83.930  | 85.171  |
| 80.0 | 53.981  | 53.084  | 51.313  | 51.303  | 53.189  | 55.181  | 57.657  | 59.796  | 61.386  | 62.572  |
| 82.5 | 32.536  | 33.770  | 34.712  | 35.498  | 36.337  | 37.145  | 38.487  | 39.594  | 40.104  | 40.299  |
| 85.0 | 20.403  | 20.514  | 20.417  | 20.169  | 19.895  | 19.544  | 19.695  | 19.704  | 19.098  | 18.250  |
| 87.5 | 9.068   | 8.546   | 8.095   | 7.703   | 7.361   | 7.068   | 7.180   | 7.291   | 7.062   | 6.768   |
| 90.0 | 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>150.0</u>   | <u>152.5</u> | <u>155.0</u> | <u>157.5</u> | <u>160.0</u> | <u>162.5</u> | <u>165.0</u> | <u>167.5</u> | <u>170.0</u> | <u>172.5</u> |
|------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 30024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.95030024.950          |              |              |              |              |              |              |              |              |              |
| 2.5  | 28785.11128784.53628812.99328781.83028763.69628750.07328740.91428736.16028735.74028739.573 |              |              |              |              |              |              |              |              |              |
| 5.0  | 25773.02325731.23925709.31225707.14925724.60425761.48425817.54825956.04425723.04925681.675 |              |              |              |              |              |              |              |              |              |
| 7.5  | 19795.95619768.84519773.45819591.04619694.59819658.14819658.36819695.94719771.54319862.112 |              |              |              |              |              |              |              |              |              |
| 10.0 | 13138.30212987.86912891.91712858.14012842.86012848.41412821.37912826.88612867.84812947.236 |              |              |              |              |              |              |              |              |              |
| 12.5 | 8008.294 7938.720 7931.601 7896.797 7840.172 7796.129 7768.137 7741.237 7726.337 7739.755  |              |              |              |              |              |              |              |              |              |
| 15.0 | 5001.453 5015.830 4989.466 4965.828 4968.603 4893.738 4844.955 4809.907 4783.459 4773.940  |              |              |              |              |              |              |              |              |              |
| 17.5 | 3234.589 3246.955 3254.642 3241.558 3216.639 3196.777 3131.789 3167.050 3185.353 3174.756  |              |              |              |              |              |              |              |              |              |
| 20.0 | 2166.531 2188.649 2182.617 2182.139 2169.672 2143.574 2125.814 2101.674 2110.347 2115.137  |              |              |              |              |              |              |              |              |              |
| 22.5 | 1538.210 1543.750 1548.655 1551.915 1554.545 1550.554 1539.179 1527.892 1512.785 1502.553  |              |              |              |              |              |              |              |              |              |
| 25.0 | 1157.146 1143.004 1143.617 1140.550 1140.304 1142.890 1139.668 1137.062 1130.315 1125.784  |              |              |              |              |              |              |              |              |              |
| 27.5 | 856.824 851.466 845.825 838.385 838.624 839.053 843.188 843.141 843.007 840.390            |              |              |              |              |              |              |              |              |              |
| 30.0 | 617.812 620.945 619.906 617.753 607.589 600.338 601.980 607.485 612.903 613.324            |              |              |              |              |              |              |              |              |              |
| 32.5 | 447.297 447.564 454.172 457.848 458.701 456.262 455.333 454.871 454.259 451.749            |              |              |              |              |              |              |              |              |              |
| 35.0 | 354.525 346.137 345.028 345.017 345.762 346.058 346.495 348.355 350.385 351.816            |              |              |              |              |              |              |              |              |              |
| 37.5 | 282.055 283.320 281.268 286.726 286.766 284.110 280.997 278.836 277.453 276.835            |              |              |              |              |              |              |              |              |              |
| 40.0 | 242.420 243.365 240.631 239.724 240.066 238.495 237.443 237.022 237.047 237.493            |              |              |              |              |              |              |              |              |              |
| 42.5 | 212.775 213.571 213.691 212.239 211.604 209.292 207.153 205.509 203.770 202.467            |              |              |              |              |              |              |              |              |              |
| 45.0 | 191.127 190.212 189.368 187.802 187.718 187.346 186.429 185.911 185.022 184.361            |              |              |              |              |              |              |              |              |              |
| 47.5 | 174.637 174.634 174.625 174.270 173.792 173.136 172.161 170.752 169.371 168.232            |              |              |              |              |              |              |              |              |              |
| 50.0 | 165.671 164.236 162.449 163.200 166.608 168.017 168.954 168.854 168.025 167.043            |              |              |              |              |              |              |              |              |              |
| 52.5 | 169.702 172.907 174.394 175.670 175.752 174.583 173.453 172.229 170.072 167.697            |              |              |              |              |              |              |              |              |              |
| 55.0 | 193.964 193.897 192.248 189.934 186.819 182.426 178.576 175.981 172.514 168.571            |              |              |              |              |              |              |              |              |              |
| 57.5 | 220.702 217.483 212.209 205.105 200.118 195.324 192.160 191.050 189.751 187.661            |              |              |              |              |              |              |              |              |              |
| 60.0 | 235.899 227.900 221.337 216.120 213.849 211.580 210.340 209.672 209.602 208.444            |              |              |              |              |              |              |              |              |              |
| 62.5 | 235.382 231.027 227.968 225.913 226.224 227.171 228.181 227.980 229.198 229.087            |              |              |              |              |              |              |              |              |              |
| 65.0 | 232.670 231.916 232.748 234.245 237.449 241.558 245.348 246.379 248.564 249.604            |              |              |              |              |              |              |              |              |              |
| 67.5 | 227.982 230.789 229.355 227.478 226.331 225.902 225.209 222.319 220.171 217.771            |              |              |              |              |              |              |              |              |              |
| 70.0 | 197.128 194.756 193.058 191.552 190.474 189.947 189.209 186.969 184.536 181.666            |              |              |              |              |              |              |              |              |              |
| 72.5 | 159.571 158.126 156.791 155.588 154.693 154.094 153.229 151.507 148.959 145.672            |              |              |              |              |              |              |              |              |              |
| 75.0 | 121.741 121.282 120.548 119.593 118.975 118.327 117.266 115.948 113.427 109.684            |              |              |              |              |              |              |              |              |              |
| 77.5 | 86.908 88.520 89.352 89.369 89.303 89.299 88.756 88.123 86.458 83.795                      |              |              |              |              |              |              |              |              |              |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF2-L57-750-NS\_.IES**

**CANDELA TABULATION - (Cont.)**

|             |        |        |        |        |        |        |        |        |        |        |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>80.0</b> | 63.289 | 63.893 | 64.140 | 63.806 | 62.899 | 62.588 | 62.074 | 61.501 | 60.255 | 58.366 |
| <b>82.5</b> | 39.961 | 39.520 | 39.009 | 38.379 | 36.622 | 35.976 | 35.408 | 34.859 | 34.011 | 32.890 |
| <b>85.0</b> | 16.829 | 15.321 | 13.934 | 13.036 | 10.419 | 9.392  | 8.752  | 8.202  | 6.944  | 6.944  |
| <b>87.5</b> | 6.174  | 5.586  | 5.107  | 5.001  | 3.892  | 3.640  | 3.594  | 3.556  | 3.525  | 3.502  |
| <b>90.0</b> | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |

**Vert. Horizontal Angles**

|             | <u><b>175.0</b></u> | <u><b>177.5</b></u> | <u><b>180.0</b></u> |
|-------------|---------------------|---------------------|---------------------|
| <b>0.0</b>  | 30024.950           | 30024.950           | 30024.950           |
| <b>2.5</b>  | 28747.563           | 28759.609           | 28775.599           |
| <b>5.0</b>  | 25640.065           | 25598.297           | 25556.449           |
| <b>7.5</b>  | 19697.861           | 19577.475           | 19496.601           |
| <b>10.0</b> | 13028.531           | 13066.174           | 13151.468           |
| <b>12.5</b> | 7806.314            | 7799.597            | 7841.868            |
| <b>15.0</b> | 4731.515            | 4785.828            | 4818.019            |
| <b>17.5</b> | 3177.128            | 3188.855            | 3206.303            |
| <b>20.0</b> | 2118.387            | 2128.991            | 2144.171            |
| <b>22.5</b> | 1475.261            | 1489.954            | 1499.917            |
| <b>25.0</b> | 1122.666            | 1125.115            | 1127.638            |
| <b>27.5</b> | 838.412             | 838.366             | 840.892             |
| <b>30.0</b> | 613.529             | 612.502             | 614.549             |
| <b>32.5</b> | 449.337             | 446.432             | 446.734             |
| <b>35.0</b> | 352.727             | 351.704             | 351.961             |
| <b>37.5</b> | 277.463             | 275.146             | 275.448             |
| <b>40.0</b> | 238.470             | 238.061             | 237.256             |
| <b>42.5</b> | 201.595             | 200.220             | 199.063             |
| <b>45.0</b> | 184.011             | 183.622             | 182.282             |
| <b>47.5</b> | 167.379             | 166.657             | 165.500             |
| <b>50.0</b> | 166.008             | 165.098             | 163.185             |
| <b>52.5</b> | 165.484             | 163.574             | 160.871             |
| <b>55.0</b> | 165.106             | 162.083             | 158.556             |
| <b>57.5</b> | 185.907             | 184.181             | 181.992             |
| <b>60.0</b> | 207.506             | 206.471             | 205.429             |
| <b>62.5</b> | 229.010             | 228.729             | 228.865             |
| <b>65.0</b> | 251.143             | 251.143             | 252.301             |
| <b>67.5</b> | 216.375             | 215.344             | 215.555             |
| <b>70.0</b> | 180.397             | 179.264             | 178.810             |
| <b>72.5</b> | 144.411             | 143.202             | 142.064             |
| <b>75.0</b> | 107.633             | 106.956             | 105.318             |
| <b>77.5</b> | 82.893              | 81.354              | 79.567              |
| <b>80.0</b> | 57.622              | 55.605              | 53.817              |
| <b>82.5</b> | 32.364              | 29.849              | 28.066              |
| <b>85.0</b> | 6.922               | 4.039               | 2.315               |
| <b>87.5</b> | 3.482               | 2.026               | 1.158               |
| <b>90.0</b> | 0.000               | 0.000               | 0.000               |



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF2-L57-750-NS\_.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 3772.27 | N.A.  | 71.20  |
| 0-30    | 4342.47 | N.A.  | 82.00  |
| 0-40    | 4574.35 | N.A.  | 86.40  |
| 0-60    | 4903.99 | N.A.  | 92.60  |
| 0-80    | 5271.95 | N.A.  | 99.50  |
| 0-90    | 5295.83 | N.A.  | 100.00 |
| 10-90   | 3167.64 | N.A.  | 59.80  |
| 20-40   | 802.08  | N.A.  | 15.10  |
| 20-50   | 952.03  | N.A.  | 18.00  |
| 40-70   | 568.61  | N.A.  | 10.70  |
| 60-80   | 367.96  | N.A.  | 6.90   |
| 70-80   | 128.99  | N.A.  | 2.40   |
| 80-90   | 23.89   | N.A.  | 0.50   |
| 90-110  | 0.00    | N.A.  | 0.00   |
| 90-120  | 0.00    | N.A.  | 0.00   |
| 90-130  | 0.00    | N.A.  | 0.00   |
| 90-150  | 0.00    | N.A.  | 0.00   |
| 90-180  | 0.00    | N.A.  | 0.00   |
| 110-180 | 0.00    | N.A.  | 0.00   |
| 0-180   | 5295.83 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 2128.19 |
| 10-20   | 1644.07 |
| 20-30   | 570.21  |
| 30-40   | 231.88  |
| 40-50   | 149.94  |
| 50-60   | 179.70  |
| 60-70   | 238.97  |
| 70-80   | 128.99  |
| 80-90   | 23.89   |
| 90-100  | 0.00    |
| 100-110 | 0.00    |
| 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 : VF2-L57-750-NS\_.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  | 139 | 139 | 139 | 139 | 136 | 136 | 136 | 136 | 130 | 130 | 130 | 125 | 125 | 125 | 120 | 120 | 120 | 117 |
| 1  | 133 | 130 | 127 | 125 | 130 | 128 | 125 | 123 | 123 | 121 | 119 | 118 | 117 | 115 | 114 | 113 | 112 | 110 |
| 2  | 127 | 122 | 118 | 114 | 125 | 120 | 116 | 113 | 116 | 113 | 110 | 113 | 110 | 108 | 110 | 108 | 106 | 104 |
| 3  | 122 | 116 | 110 | 106 | 120 | 114 | 109 | 105 | 111 | 107 | 104 | 108 | 105 | 102 | 106 | 103 | 100 | 99  |
| 4  | 118 | 110 | 104 | 100 | 116 | 109 | 104 | 100 | 106 | 102 | 98  | 104 | 100 | 97  | 102 | 99  | 96  | 95  |
| 5  | 114 | 105 | 100 | 96  | 112 | 104 | 99  | 95  | 102 | 98  | 94  | 101 | 97  | 93  | 99  | 95  | 93  | 91  |
| 6  | 110 | 102 | 96  | 92  | 109 | 101 | 95  | 91  | 99  | 94  | 91  | 98  | 93  | 90  | 96  | 92  | 90  | 88  |
| 7  | 107 | 98  | 92  | 89  | 105 | 97  | 92  | 88  | 96  | 91  | 88  | 95  | 91  | 87  | 94  | 90  | 87  | 86  |
| 8  | 104 | 95  | 90  | 86  | 103 | 94  | 89  | 86  | 93  | 89  | 85  | 92  | 88  | 85  | 91  | 87  | 85  | 83  |
| 9  | 101 | 92  | 87  | 83  | 100 | 92  | 87  | 83  | 91  | 86  | 83  | 90  | 86  | 83  | 89  | 85  | 83  | 81  |
| 10 | 99  | 90  | 85  | 81  | 98  | 89  | 84  | 81  | 89  | 84  | 81  | 88  | 84  | 81  | 87  | 83  | 81  | 79  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF2-L57-750-NS\_.IES**

**UGR TABLE - CORRECTED**

Reflectances

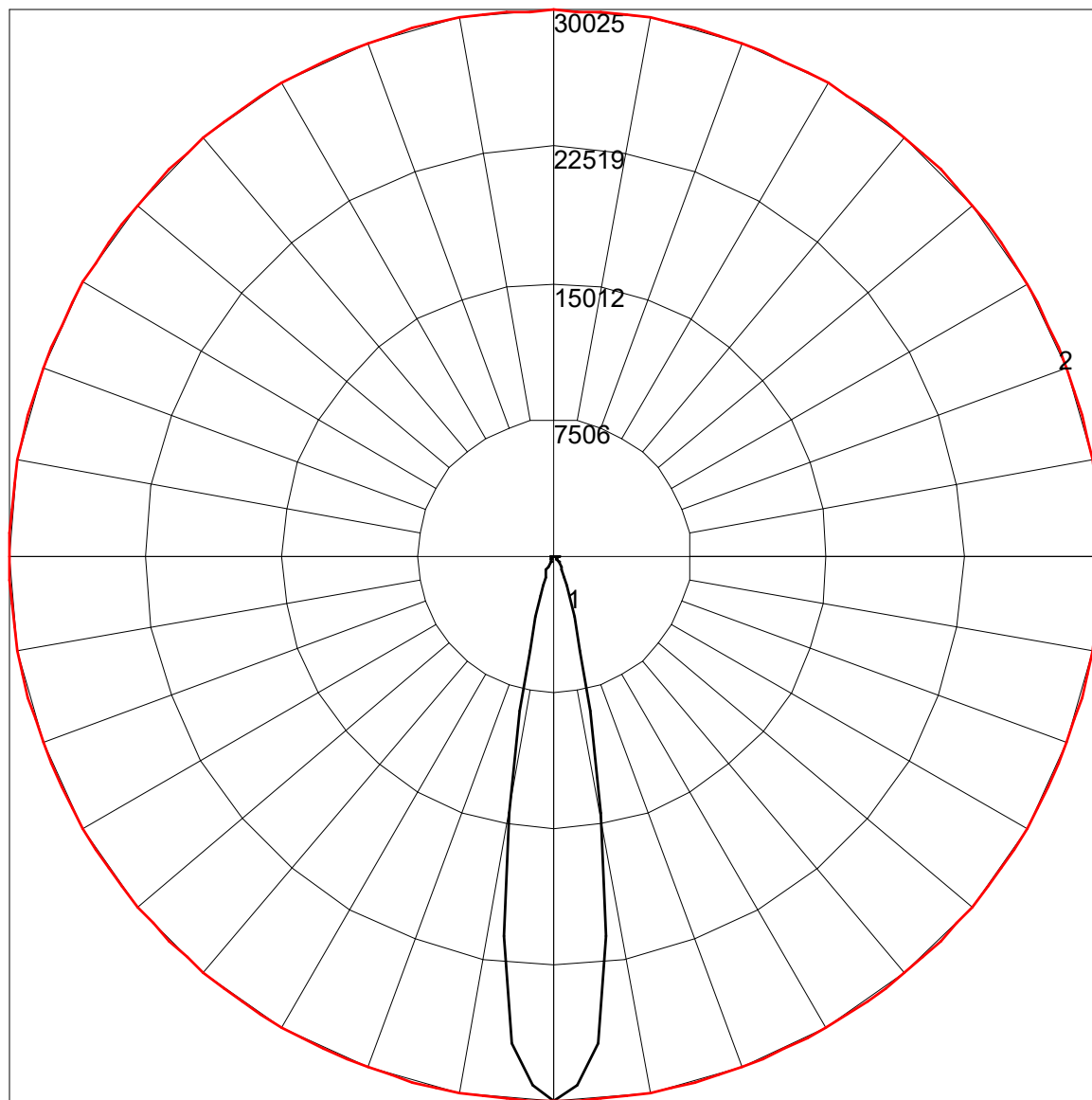
|                |    |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|----|
| Ceiling Cavity | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| Walls          | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| Floor Cavity   | 20 | 20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

Room Size      UGR Viewed Crosswise

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| X=2H | Y=2H | 20.6 | 22.1 | 20.9 | 22.4 | 22.7 | 5.7  | 7.2  | 6.1  | 7.5  | 7.9  |
|      | 3H   | 23.6 | 24.9 | 23.9 | 25.3 | 25.6 | 5.9  | 7.3  | 6.3  | 7.6  | 8.0  |
|      | 4H   | 24.2 | 25.6 | 24.6 | 25.9 | 26.3 | 5.9  | 7.3  | 6.3  | 7.6  | 8.0  |
|      | 6H   | 24.7 | 25.9 | 25.1 | 26.3 | 26.7 | 6.1  | 7.3  | 6.5  | 7.6  | 8.0  |
|      | 8H   | 24.7 | 25.9 | 25.2 | 26.3 | 26.7 | 6.0  | 7.2  | 6.5  | 7.6  | 8.0  |
|      | 12H  | 24.8 | 25.9 | 25.2 | 26.3 | 26.7 | 6.1  | 7.2  | 6.5  | 7.6  | 8.0  |
| 4H   | 2H   | 20.5 | 21.9 | 20.9 | 22.2 | 22.6 | 11.8 | 13.2 | 12.2 | 13.5 | 13.9 |
|      | 3H   | 23.6 | 24.7 | 24.0 | 25.1 | 25.5 | 12.1 | 13.2 | 12.6 | 13.6 | 14.0 |
|      | 4H   | 24.3 | 25.4 | 24.7 | 25.8 | 26.2 | 12.1 | 13.1 | 12.5 | 13.5 | 14.0 |
|      | 6H   | 24.8 | 25.7 | 25.3 | 26.2 | 26.6 | 12.1 | 13.0 | 12.5 | 13.4 | 13.9 |
|      | 8H   | 24.9 | 25.8 | 25.4 | 26.2 | 26.7 | 12.1 | 12.9 | 12.6 | 13.4 | 13.8 |
|      | 12H  | 24.9 | 25.7 | 25.4 | 26.1 | 26.6 | 12.0 | 12.8 | 12.5 | 13.3 | 13.8 |
| 8H   | 4H   | 24.3 | 25.1 | 24.7 | 25.6 | 26.0 | 13.3 | 14.2 | 13.8 | 14.6 | 15.1 |
|      | 6H   | 24.8 | 25.5 | 25.3 | 26.0 | 26.4 | 13.3 | 14.1 | 13.8 | 14.5 | 15.0 |
|      | 8H   | 24.9 | 25.5 | 25.4 | 26.0 | 26.5 | 13.4 | 14.0 | 13.9 | 14.5 | 15.0 |
|      | 12H  | 24.8 | 25.4 | 25.3 | 25.9 | 26.5 | 13.3 | 13.9 | 13.8 | 14.4 | 15.0 |
| 12H  | 4H   | 24.2 | 25.0 | 24.7 | 25.5 | 25.9 | 13.5 | 14.2 | 13.9 | 14.7 | 15.2 |
|      | 6H   | 24.8 | 25.4 | 25.3 | 25.8 | 26.4 | 13.6 | 14.2 | 14.1 | 14.6 | 15.2 |
|      | 8H   | 24.8 | 25.4 | 25.3 | 25.9 | 26.4 | 13.5 | 14.1 | 14.0 | 14.6 | 15.2 |

Maximum UGR = 26.7

POLAR GRAPH



Maximum Candela = 30024.95 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)