



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-730-T2-XXX-CGL-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 14773930.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 2024-01-31
[TEST DATE] 4/25/2023
[MANUFACT] H.E. WILLIAMS, INC.
[LUMCAT] VWPx-L30-730-T2-xxx-CGL-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[LAMP] 8 white LEDs
[BALLAST] UNIVERSAL VOLTAGE LED DRIVER
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] OUTDOOR
[SEARCH_MOUNTING] WALL

CHARACTERISTICS

| | |
|---|---------------------------------|
| IES Classification | Type II |
| Longitudinal Classification | Very Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 3315 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 123 |
| Total Luminaire Watts | 27 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 1872.688 |
| Maximum Candela Angle | 60H 45V |
| Maximum Candela (<90 Degrees Vertical) | 1872.688 |
| Maximum Candela Angle (<90 Degrees Vertical) | 60H 45V |
| Maximum Candela At 90 Degrees Vertical | 0 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 122.952 (3.7% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-730-T2-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 533.0 | N.A. | 16.1 |
| FM - Front-Medium (30-60) | 1321.3 | N.A. | 39.9 |
| FH - Front-High (60-80) | 510.8 | N.A. | 15.4 |
| FVH - Front-Very High (80-90) | 8.8 | N.A. | 0.3 |
| BL - Back-Low (0-30) | 296.9 | N.A. | 9.0 |
| BM - Back-Medium (30-60) | 451.7 | N.A. | 13.6 |
| BH - Back-High (60-80) | 191.1 | N.A. | 5.8 |
| BVH - Back-Very High (80-90) | 1.2 | N.A. | 0.0 |
| UL - Uplight-Low (90-100) | 0.0 | N.A. | 0.0 |
| UH - Uplight-High (100-180) | 0.0 | N.A. | 0.0 |
| Total | 3314.8 | N.A. | 100.0 |
| BUG Rating | B1-U0-G1 | | |

IES ROAD REPORT
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CANDELA TABULATION

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|-------------------------|--------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | <u>0.0</u> | <u>5.0</u> | <u>15.0</u> | <u>25.0</u> | <u>35.0</u> | <u>45.0</u> | <u>55.0</u> | <u>60.0</u> | <u>62.5</u> | <u>65.0</u> |
| 0.0 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 |
| 2.5 | 996.504 | 1004.949 | 999.301 | 989.978 | 989.539 | 994.255 | 986.139 | 979.065 | 973.855 | 972.100 |
| 5.0 | 1039.170 | 1048.218 | 1040.870 | 1028.311 | 1024.582 | 1023.321 | 1008.075 | 997.272 | 989.813 | 986.358 |
| 7.5 | 1089.952 | 1100.097 | 1089.952 | 1071.032 | 1059.625 | 1051.125 | 1028.531 | 1015.040 | 1005.278 | 1000.014 |
| 10.0 | 1187.513 | 1195.848 | 1180.383 | 1147.205 | 1114.959 | 1086.606 | 1047.889 | 1029.353 | 1016.959 | 1009.720 |
| 12.5 | 1285.183 | 1295.164 | 1275.312 | 1234.511 | 1192.064 | 1143.586 | 1072.458 | 1043.612 | 1027.214 | 1016.301 |
| 15.0 | 1393.219 | 1403.419 | 1378.028 | 1322.749 | 1264.618 | 1204.568 | 1112.162 | 1066.206 | 1042.789 | 1026.118 |
| 17.5 | 1501.035 | 1515.513 | 1484.309 | 1418.774 | 1344.521 | 1263.905 | 1158.009 | 1101.907 | 1069.935 | 1045.696 |
| 20.0 | 1602.106 | 1622.835 | 1586.257 | 1511.400 | 1422.174 | 1327.410 | 1200.565 | 1140.789 | 1105.581 | 1074.871 |
| 22.5 | 1670.875 | 1698.241 | 1662.101 | 1588.286 | 1494.509 | 1388.173 | 1245.863 | 1178.245 | 1141.227 | 1107.720 |
| 25.0 | 1685.024 | 1714.364 | 1686.889 | 1633.858 | 1551.488 | 1447.785 | 1297.522 | 1224.146 | 1183.180 | 1146.602 |
| 27.5 | 1631.390 | 1665.995 | 1656.507 | 1631.006 | 1586.696 | 1503.777 | 1353.021 | 1280.193 | 1236.266 | 1194.916 |
| 30.0 | 1550.775 | 1586.092 | 1576.111 | 1572.821 | 1580.882 | 1548.362 | 1415.813 | 1345.563 | 1297.413 | 1252.553 |
| 32.5 | 1492.370 | 1528.071 | 1509.371 | 1499.280 | 1548.143 | 1588.121 | 1495.386 | 1419.487 | 1370.405 | 1323.023 |
| 35.0 | 1442.136 | 1474.273 | 1451.295 | 1438.133 | 1502.351 | 1625.797 | 1590.754 | 1518.200 | 1457.930 | 1407.971 |
| 37.5 | 1351.047 | 1382.251 | 1381.538 | 1382.525 | 1469.447 | 1655.191 | 1701.476 | 1631.829 | 1569.640 | 1503.119 |
| 40.0 | 1166.344 | 1192.997 | 1239.227 | 1307.229 | 1440.491 | 1660.456 | 1794.705 | 1746.226 | 1685.463 | 1613.512 |
| 42.5 | 912.379 | 932.779 | 1022.334 | 1175.009 | 1382.689 | 1623.877 | 1837.590 | 1836.932 | 1787.356 | 1722.645 |
| 45.0 | 676.072 | 697.076 | 792.114 | 986.633 | 1268.347 | 1531.416 | 1821.412 | 1872.688 | 1840.387 | 1787.411 |
| 47.5 | 403.186 | 432.745 | 555.642 | 777.636 | 1104.759 | 1427.329 | 1760.046 | 1826.074 | 1820.370 | 1791.305 |
| 50.0 | 259.888 | 273.982 | 354.104 | 571.711 | 939.909 | 1345.288 | 1695.554 | 1757.633 | 1767.175 | 1748.365 |
| 52.5 | 128.984 | 134.523 | 209.600 | 391.012 | 778.678 | 1262.315 | 1593.276 | 1677.895 | 1704.876 | 1702.573 |
| 55.0 | 109.242 | 108.913 | 117.523 | 243.327 | 619.586 | 1156.802 | 1453.598 | 1560.921 | 1598.431 | 1591.192 |
| 57.5 | 96.793 | 96.245 | 98.274 | 145.820 | 466.143 | 1038.182 | 1371.337 | 1514.197 | 1547.485 | 1544.578 |
| 60.0 | 86.977 | 86.099 | 87.525 | 100.632 | 326.410 | 929.215 | 1443.562 | 1597.225 | 1641.207 | 1657.001 |
| 62.5 | 80.012 | 78.696 | 78.970 | 84.783 | 226.929 | 813.556 | 1497.964 | 1727.196 | 1811.212 | 1858.649 |
| 65.0 | 73.870 | 72.718 | 71.731 | 76.173 | 166.386 | 663.404 | 1379.947 | 1695.389 | 1812.144 | 1868.246 |
| 67.5 | 67.125 | 66.576 | 65.425 | 69.483 | 133.427 | 568.585 | 1164.589 | 1448.662 | 1522.916 | 1552.091 |
| 70.0 | 59.118 | 58.899 | 58.789 | 63.341 | 106.445 | 459.891 | 966.067 | 1202.978 | 1243.834 | 1231.166 |
| 72.5 | 49.905 | 49.850 | 50.453 | 57.692 | 88.074 | 379.550 | 690.604 | 817.724 | 850.135 | 846.186 |
| 75.0 | 39.430 | 39.814 | 41.075 | 52.592 | 72.005 | 275.573 | 391.944 | 469.488 | 513.251 | 517.419 |
| 77.5 | 27.640 | 28.517 | 30.546 | 42.446 | 54.127 | 145.437 | 229.507 | 232.742 | 228.575 | 218.813 |
| 80.0 | 15.081 | 16.452 | 17.768 | 28.133 | 38.443 | 66.466 | 122.952 | 92.351 | 74.089 | 63.395 |
| 82.5 | 8.720 | 9.323 | 9.926 | 16.726 | 25.172 | 33.727 | 55.224 | 43.982 | 37.127 | 32.849 |
| 85.0 | 4.442 | 4.661 | 4.771 | 8.555 | 15.300 | 20.401 | 20.072 | 18.701 | 17.001 | 16.178 |
| 87.5 | 1.755 | 1.919 | 1.919 | 3.126 | 5.320 | 7.129 | 5.320 | 6.032 | 5.978 | 5.868 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 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>67.5</u> | <u>70.0</u> | <u>72.5</u> | <u>75.0</u> | <u>77.5</u> | <u>80.0</u> | <u>82.5</u> | <u>85.0</u> | <u>87.5</u> | <u>90.0</u> |
|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 0.0 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 |
| 2.5 | 966.725 | 962.229 | 964.806 | 961.516 | 956.251 | 952.083 | 947.751 | 950.438 | 952.467 | 950.712 |
| 5.0 | 978.461 | 972.868 | 973.416 | 967.822 | 961.132 | 954.880 | 948.573 | 949.286 | 949.560 | 946.489 |
| 7.5 | 990.636 | 981.971 | 981.148 | 973.635 | 964.696 | 956.854 | 948.080 | 947.531 | 945.776 | 940.951 |
| 10.0 | 997.820 | 988.223 | 985.865 | 976.487 | 965.574 | 954.935 | 945.393 | 942.486 | 938.921 | 932.176 |
| 12.5 | 1002.481 | 991.075 | 986.468 | 975.226 | 963.216 | 950.931 | 939.305 | 934.863 | 929.873 | 921.318 |
| 15.0 | 1006.594 | 992.391 | 986.578 | 973.142 | 959.651 | 945.722 | 931.847 | 926.144 | 919.124 | 909.692 |
| 17.5 | 1018.001 | 998.423 | 988.497 | 972.593 | 957.567 | 941.828 | 926.857 | 919.014 | 910.404 | 899.656 |
| 20.0 | 1037.470 | 1010.159 | 993.488 | 974.348 | 956.251 | 938.647 | 921.537 | 912.982 | 903.330 | 890.936 |
| 22.5 | 1064.396 | 1027.927 | 1002.701 | 977.858 | 956.854 | 936.234 | 917.589 | 907.443 | 896.365 | 882.929 |
| 25.0 | 1099.823 | 1057.596 | 1021.785 | 988.497 | 962.612 | 938.318 | 916.985 | 905.962 | 892.910 | 878.542 |
| 27.5 | 1143.147 | 1097.629 | 1053.538 | 1008.843 | 975.390 | 946.928 | 922.140 | 909.253 | 895.214 | 879.091 |
| 30.0 | 1195.410 | 1145.670 | 1095.436 | 1039.992 | 996.778 | 961.680 | 933.273 | 918.301 | 902.672 | 885.397 |
| 32.5 | 1260.889 | 1206.816 | 1149.618 | 1085.729 | 1031.492 | 986.084 | 951.973 | 934.863 | 917.314 | 898.449 |
| 35.0 | 1339.640 | 1278.932 | 1214.878 | 1142.708 | 1078.161 | 1019.043 | 978.352 | 957.732 | 937.386 | 916.930 |
| 37.5 | 1425.026 | 1356.092 | 1284.525 | 1203.142 | 1128.450 | 1053.757 | 1003.359 | 976.816 | 953.673 | 931.408 |
| 40.0 | 1515.019 | 1434.568 | 1349.017 | 1258.092 | 1173.693 | 1086.936 | 1022.443 | 988.004 | 961.900 | 937.550 |
| 42.5 | 1616.913 | 1517.103 | 1414.661 | 1310.739 | 1214.713 | 1118.414 | 1041.802 | 998.368 | 968.151 | 942.925 |
| 45.0 | 1702.299 | 1591.741 | 1472.847 | 1358.121 | 1254.363 | 1151.208 | 1067.303 | 1015.040 | 980.710 | 953.399 |
| 47.5 | 1726.977 | 1635.010 | 1508.877 | 1382.580 | 1281.345 | 1182.358 | 1097.026 | 1039.718 | 1003.139 | 974.842 |
| 50.0 | 1710.854 | 1636.984 | 1508.767 | 1383.183 | 1285.567 | 1199.578 | 1126.311 | 1071.032 | 1040.102 | 1016.137 |
| 52.5 | 1665.775 | 1582.528 | 1445.975 | 1348.469 | 1281.015 | 1223.927 | 1182.906 | 1152.744 | 1141.173 | 1129.875 |
| 55.0 | 1550.446 | 1479.373 | 1394.699 | 1339.420 | 1320.391 | 1302.842 | 1294.561 | 1287.432 | 1286.883 | 1277.231 |
| 57.5 | 1509.590 | 1480.470 | 1456.285 | 1437.310 | 1433.143 | 1429.030 | 1425.794 | 1411.206 | 1391.464 | 1362.728 |
| 60.0 | 1642.962 | 1647.184 | 1636.765 | 1607.590 | 1575.618 | 1554.504 | 1512.826 | 1468.844 | 1429.084 | 1385.048 |
| 62.5 | 1867.423 | 1869.891 | 1834.190 | 1759.717 | 1676.250 | 1601.448 | 1536.242 | 1468.021 | 1389.599 | 1314.907 |
| 65.0 | 1866.052 | 1828.377 | 1755.439 | 1667.146 | 1567.337 | 1488.806 | 1425.684 | 1365.634 | 1284.799 | 1210.436 |
| 67.5 | 1551.598 | 1505.696 | 1438.298 | 1369.802 | 1296.097 | 1222.775 | 1167.606 | 1123.349 | 1067.522 | 1018.001 |
| 70.0 | 1200.565 | 1147.918 | 1086.990 | 1025.569 | 969.632 | 904.317 | 850.628 | 812.185 | 764.255 | 726.086 |
| 72.5 | 817.286 | 769.465 | 720.821 | 679.417 | 639.274 | 595.785 | 556.300 | 530.361 | 494.111 | 470.037 |
| 75.0 | 496.963 | 457.094 | 418.871 | 386.844 | 353.775 | 312.371 | 270.253 | 249.304 | 227.204 | 214.919 |
| 77.5 | 199.674 | 166.276 | 136.278 | 105.952 | 81.767 | 66.412 | 56.211 | 52.647 | 49.192 | 47.547 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 80.0 | 55.827 | 51.166 | 48.095 | 44.037 | 39.979 | 35.920 | 32.301 | 30.162 | 28.352 | 27.256 |
| 82.5 | 31.314 | 29.559 | 27.310 | 25.391 | 23.088 | 20.236 | 17.933 | 16.562 | 15.684 | 15.081 |
| 85.0 | 15.520 | 14.642 | 13.710 | 12.887 | 11.571 | 9.981 | 8.555 | 7.732 | 7.129 | 6.745 |
| 87.5 | 5.703 | 5.539 | 5.429 | 4.936 | 4.332 | 3.619 | 3.071 | 2.742 | 2.468 | 2.303 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 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>92.5</u> | <u>95.0</u> | <u>97.5</u> | <u>100.0</u> | <u>102.5</u> | <u>105.0</u> | <u>107.5</u> | <u>110.0</u> | <u>112.5</u> | <u>115.0</u> |
|------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 |
| 2.5 | 948.793 | 943.857 | 937.715 | 939.031 | 939.250 | 941.609 | 941.499 | 936.563 | 938.592 | 941.170 |
| 5.0 | 943.528 | 936.344 | 929.050 | 928.831 | 929.105 | 930.037 | 929.105 | 923.676 | 925.979 | 928.392 |
| 7.5 | 936.399 | 927.899 | 920.221 | 919.782 | 918.082 | 918.740 | 918.192 | 912.214 | 913.914 | 915.066 |
| 10.0 | 927.186 | 917.643 | 909.362 | 907.388 | 906.346 | 906.291 | 905.524 | 898.778 | 899.327 | 899.985 |
| 12.5 | 914.572 | 905.085 | 896.091 | 893.898 | 891.485 | 891.320 | 889.455 | 881.449 | 880.516 | 878.542 |
| 15.0 | 902.124 | 891.978 | 882.491 | 879.365 | 876.568 | 875.307 | 870.810 | 862.200 | 859.293 | 854.138 |
| 17.5 | 891.046 | 880.407 | 870.645 | 866.587 | 862.639 | 860.061 | 853.151 | 842.512 | 837.083 | 828.967 |
| 20.0 | 880.900 | 869.548 | 859.348 | 854.522 | 848.599 | 844.157 | 834.999 | 821.947 | 813.227 | 802.424 |
| 22.5 | 872.181 | 860.226 | 849.038 | 842.348 | 834.067 | 827.650 | 815.366 | 800.340 | 789.536 | 778.184 |
| 25.0 | 867.135 | 853.864 | 840.977 | 831.873 | 821.673 | 812.021 | 796.666 | 780.597 | 769.136 | 757.619 |

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-730-T2-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|
| 27.5 | 867.026 | 851.999 | 837.631 | 825.292 | 812.185 | 800.175 | 782.078 | 764.694 | 751.751 | 742.319 |
| 30.0 | 872.016 | 855.454 | 838.893 | 823.812 | 808.237 | 792.772 | 771.987 | 754.055 | 741.222 | 730.144 |
| 32.5 | 884.026 | 865.051 | 846.899 | 828.912 | 810.101 | 791.894 | 768.807 | 750.984 | 735.354 | 720.547 |
| 35.0 | 901.027 | 879.858 | 859.732 | 838.509 | 816.244 | 795.843 | 772.152 | 752.519 | 733.051 | 714.131 |
| 37.5 | 914.353 | 891.759 | 869.548 | 846.570 | 822.331 | 800.779 | 775.442 | 753.726 | 730.638 | 707.495 |
| 40.0 | 920.221 | 895.543 | 871.907 | 846.570 | 821.837 | 799.408 | 772.646 | 748.461 | 722.302 | 695.650 |
| 42.5 | 923.566 | 896.749 | 870.919 | 843.664 | 817.944 | 794.966 | 765.187 | 738.699 | 711.553 | 679.636 |
| 45.0 | 933.328 | 904.317 | 875.745 | 846.022 | 818.602 | 793.814 | 760.471 | 731.406 | 700.914 | 661.923 |
| 47.5 | 952.741 | 921.811 | 890.278 | 855.674 | 826.444 | 798.475 | 761.787 | 729.760 | 692.853 | 643.990 |
| 50.0 | 998.368 | 971.058 | 942.541 | 909.143 | 879.584 | 852.493 | 810.869 | 770.945 | 726.196 | 664.281 |
| 52.5 | 1121.266 | 1100.426 | 1076.077 | 1040.979 | 1005.607 | 978.626 | 929.324 | 882.600 | 824.524 | 739.303 |
| 55.0 | 1264.399 | 1235.937 | 1201.058 | 1161.902 | 1122.911 | 1088.361 | 1028.860 | 969.303 | 884.465 | 752.519 |
| 57.5 | 1337.117 | 1299.113 | 1258.750 | 1213.726 | 1166.619 | 1117.865 | 1041.692 | 948.189 | 823.099 | 666.639 |
| 60.0 | 1336.295 | 1279.590 | 1225.846 | 1165.577 | 1111.010 | 1043.612 | 953.783 | 852.219 | 724.441 | 566.336 |
| 62.5 | 1241.805 | 1165.796 | 1108.597 | 1057.157 | 1013.175 | 958.225 | 882.052 | 785.698 | 655.123 | 493.782 |
| 65.0 | 1143.750 | 1073.116 | 1022.663 | 982.245 | 946.544 | 900.698 | 834.560 | 739.357 | 602.257 | 446.181 |
| 67.5 | 982.958 | 926.692 | 886.384 | 861.268 | 844.870 | 815.860 | 768.478 | 678.978 | 551.968 | 412.728 |
| 70.0 | 707.769 | 670.313 | 644.703 | 634.667 | 640.535 | 626.715 | 613.170 | 553.449 | 453.420 | 343.301 |
| 72.5 | 456.436 | 431.429 | 413.167 | 404.447 | 410.973 | 406.093 | 410.864 | 371.324 | 301.348 | 221.719 |
| 75.0 | 212.616 | 197.864 | 190.296 | 192.599 | 207.077 | 204.061 | 208.887 | 182.783 | 129.807 | 85.003 |
| 77.5 | 47.711 | 45.353 | 44.366 | 44.914 | 47.711 | 48.972 | 56.102 | 52.866 | 40.527 | 29.723 |
| 80.0 | 27.036 | 26.269 | 26.049 | 25.501 | 25.227 | 23.472 | 20.181 | 15.246 | 11.571 | 8.829 |
| 82.5 | 15.026 | 14.971 | 14.917 | 14.697 | 14.149 | 11.297 | 7.129 | 5.100 | 3.455 | 2.358 |
| 85.0 | 6.965 | 6.965 | 6.910 | 6.691 | 5.594 | 3.565 | 2.413 | 1.700 | 1.206 | 0.823 |
| 87.5 | 2.413 | 2.303 | 2.194 | 1.865 | 1.316 | 0.987 | 0.768 | 0.658 | 0.548 | 0.494 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-730-T2-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Vert.
Angles

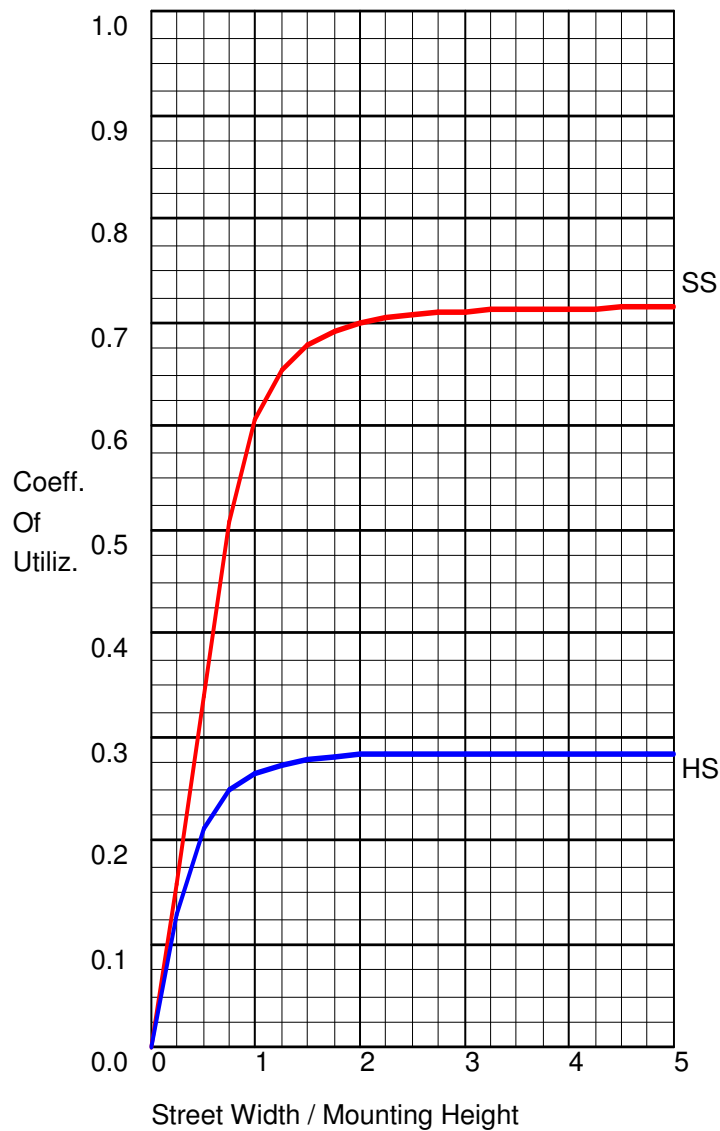
Horizontal Angles

| | 117.5 | 120.0 | 125.0 | 135.0 | 145.0 | 155.0 | 165.0 | 175.0 | 180.0 |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 | 958.774 |
| 2.5 | 940.128 | 942.376 | 944.899 | 944.789 | 935.631 | 932.450 | 938.867 | 943.967 | 934.425 |
| 5.0 | 926.966 | 927.734 | 929.489 | 928.447 | 916.547 | 909.637 | 913.366 | 916.711 | 909.253 |
| 7.5 | 913.859 | 913.969 | 913.146 | 906.785 | 888.578 | 875.526 | 873.607 | 873.716 | 867.081 |
| 10.0 | 896.530 | 894.501 | 890.881 | 875.416 | 849.477 | 831.434 | 829.405 | 830.996 | 824.799 |
| 12.5 | 873.771 | 869.658 | 860.171 | 835.328 | 810.595 | 803.740 | 815.092 | 824.086 | 819.315 |
| 15.0 | 847.612 | 840.428 | 825.512 | 802.150 | 795.459 | 797.543 | 797.214 | 795.953 | 791.785 |
| 17.5 | 819.918 | 810.814 | 794.911 | 787.452 | 782.626 | 760.306 | 743.470 | 734.257 | 730.967 |
| 20.0 | 792.827 | 783.668 | 773.852 | 773.578 | 742.593 | 698.940 | 664.171 | 635.929 | 634.064 |
| 22.5 | 768.862 | 762.939 | 758.826 | 741.441 | 683.475 | 599.186 | 475.630 | 386.186 | 383.498 |
| 25.0 | 750.435 | 746.542 | 740.016 | 694.004 | 592.824 | 393.918 | 278.315 | 235.868 | 235.046 |
| 27.5 | 735.190 | 729.267 | 713.802 | 632.693 | 434.719 | 245.575 | 177.902 | 154.485 | 153.827 |
| 30.0 | 720.054 | 710.895 | 680.898 | 538.587 | 277.821 | 165.124 | 133.098 | 126.681 | 127.230 |
| 32.5 | 706.289 | 691.372 | 643.003 | 418.432 | 190.790 | 129.204 | 119.881 | 117.578 | 118.400 |
| 35.0 | 694.937 | 670.917 | 596.334 | 297.235 | 142.804 | 117.084 | 113.026 | 111.655 | 112.258 |
| 37.5 | 682.049 | 648.761 | 536.942 | 209.051 | 121.471 | 110.339 | 107.761 | 107.048 | 107.048 |
| 40.0 | 663.349 | 618.270 | 471.462 | 161.231 | 110.887 | 104.855 | 103.484 | 102.771 | 102.222 |
| 42.5 | 639.219 | 577.688 | 406.696 | 133.756 | 103.813 | 100.303 | 99.480 | 98.603 | 97.396 |
| 45.0 | 610.537 | 533.596 | 343.410 | 117.523 | 98.713 | 96.848 | 95.751 | 94.435 | 93.119 |
| 47.5 | 579.278 | 491.644 | 286.376 | 106.884 | 94.380 | 93.229 | 91.803 | 90.322 | 88.896 |
| 50.0 | 584.214 | 482.485 | 266.469 | 101.674 | 90.432 | 88.677 | 86.812 | 85.661 | 84.344 |
| 52.5 | 638.616 | 512.264 | 256.598 | 97.177 | 87.470 | 83.193 | 82.151 | 81.767 | 80.725 |
| 55.0 | 609.496 | 455.778 | 204.829 | 92.735 | 83.961 | 78.806 | 77.873 | 78.806 | 78.038 |
| 57.5 | 519.941 | 376.095 | 166.057 | 87.580 | 79.080 | 74.583 | 73.815 | 75.625 | 75.131 |
| 60.0 | 432.964 | 309.903 | 139.349 | 80.506 | 73.212 | 69.812 | 68.989 | 71.731 | 71.951 |
| 62.5 | 372.640 | 266.360 | 121.746 | 71.676 | 65.479 | 62.902 | 58.515 | 60.818 | 61.915 |
| 65.0 | 332.991 | 233.839 | 105.403 | 61.695 | 55.498 | 45.079 | 36.249 | 31.698 | 32.740 |
| 67.5 | 309.738 | 214.535 | 92.790 | 50.343 | 37.730 | 21.991 | 12.942 | 8.062 | 9.268 |
| 70.0 | 266.250 | 195.286 | 83.138 | 33.069 | 16.452 | 5.265 | 1.590 | 1.316 | 1.261 |
| 72.5 | 168.086 | 122.075 | 54.621 | 16.397 | 3.181 | 1.097 | 0.987 | 0.987 | 0.987 |
| 75.0 | 67.892 | 47.930 | 25.939 | 2.742 | 0.932 | 0.658 | 0.494 | 0.439 | 0.494 |
| 77.5 | 22.868 | 17.549 | 5.868 | 0.823 | 0.494 | 0.274 | 0.165 | 0.165 | 0.165 |
| 80.0 | 6.197 | 3.345 | 0.987 | 0.439 | 0.219 | 0.110 | 0.110 | 0.110 | 0.110 |
| 82.5 | 1.590 | 0.987 | 0.494 | 0.219 | 0.165 | 0.110 | 0.110 | 0.110 | 0.110 |
| 85.0 | 0.603 | 0.494 | 0.329 | 0.165 | 0.110 | 0.110 | 0.055 | 0.110 | 0.110 |
| 87.5 | 0.384 | 0.329 | 0.274 | 0.165 | 0.110 | 0.110 | 0.055 | 0.110 | 0.110 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-730-T2-XXX-CGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

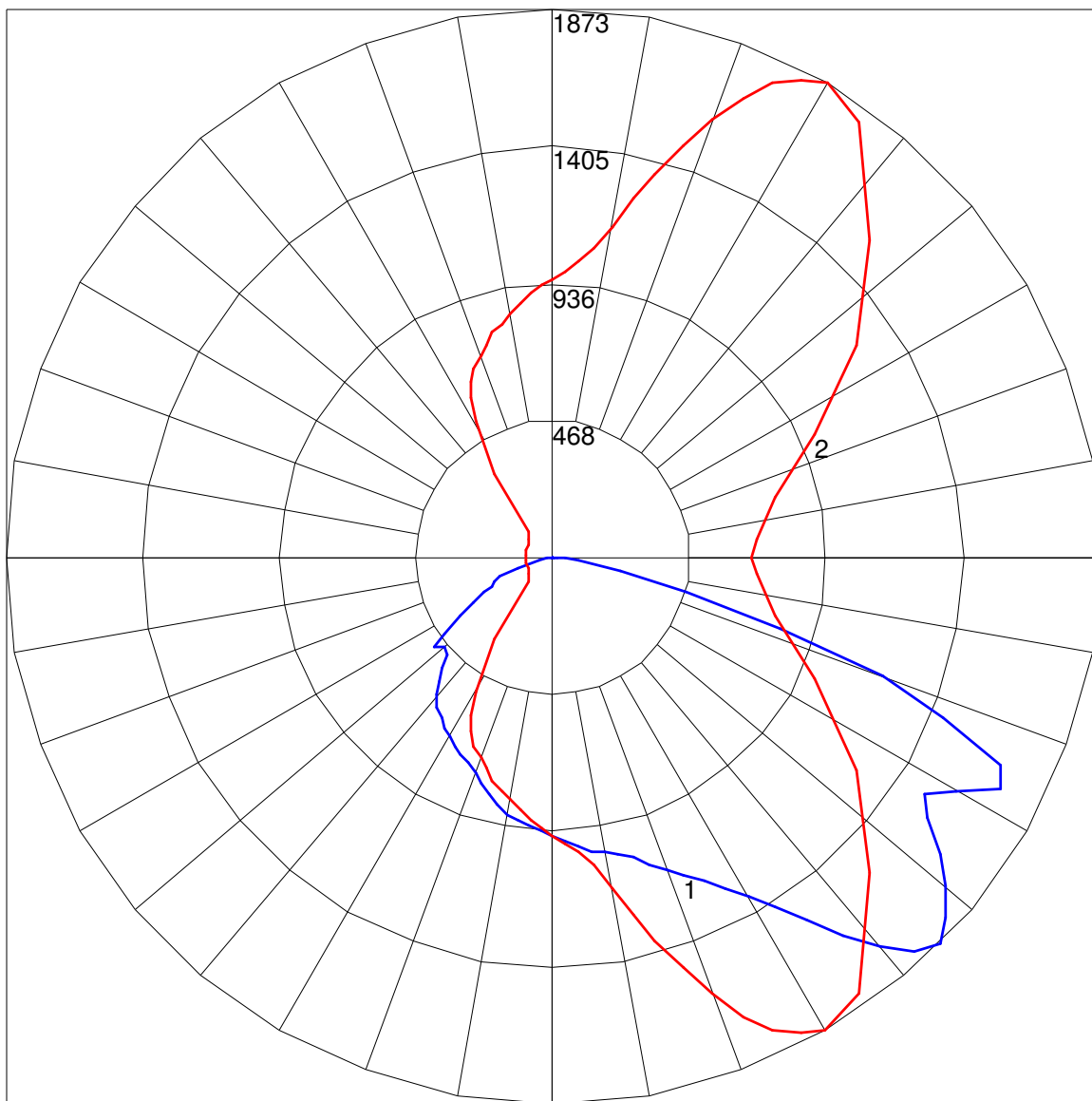
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

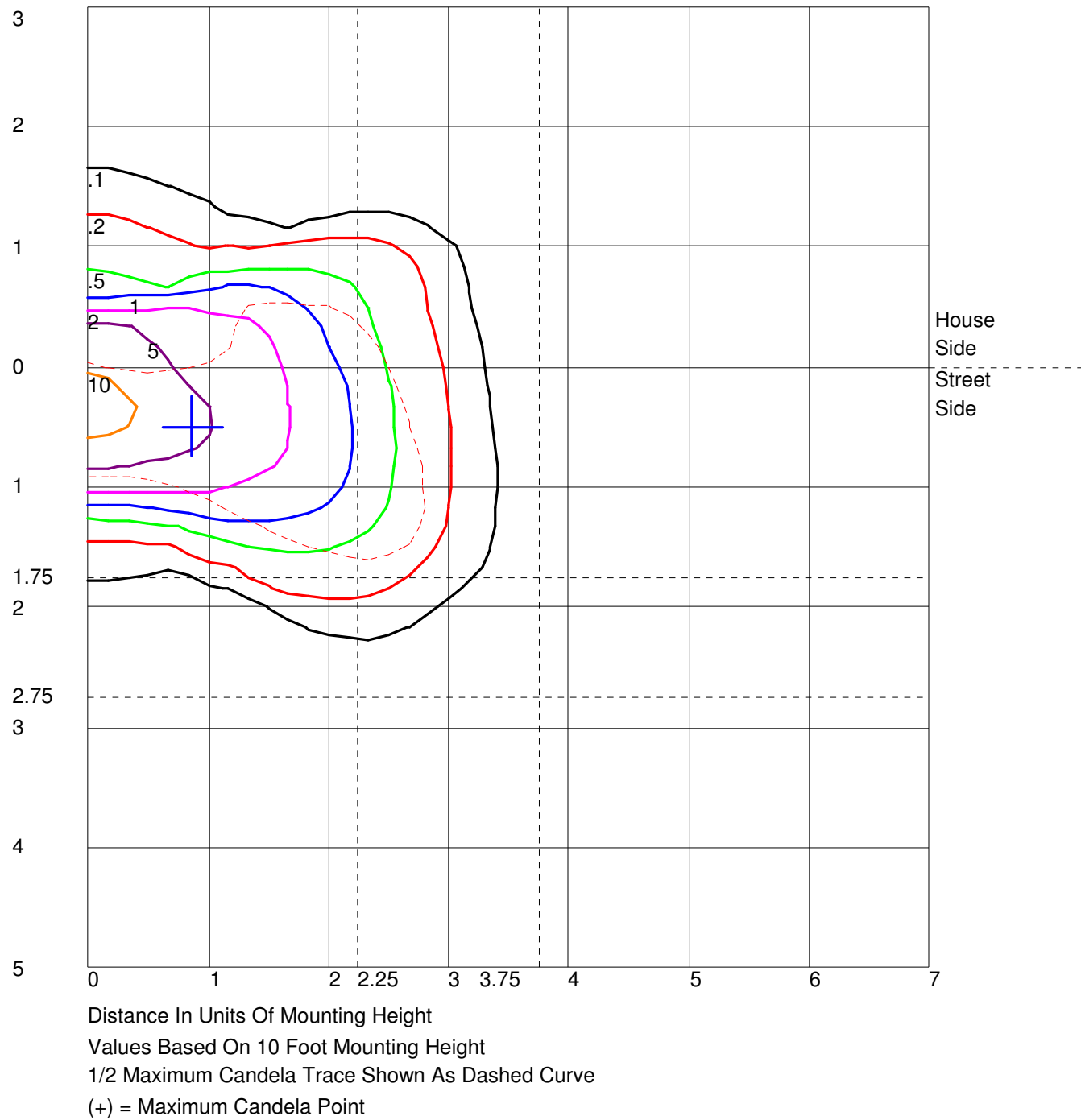
| | Lumens | Percent Of Luminaire |
|----------------------|--------|----------------------|
| Downward Street Side | 2373.9 | 71.6 |
| Downward House Side | 940.8 | 28.4 |
| Downward Total | 3314.7 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 3314.7 | 100.0 |

POLAR GRAPH

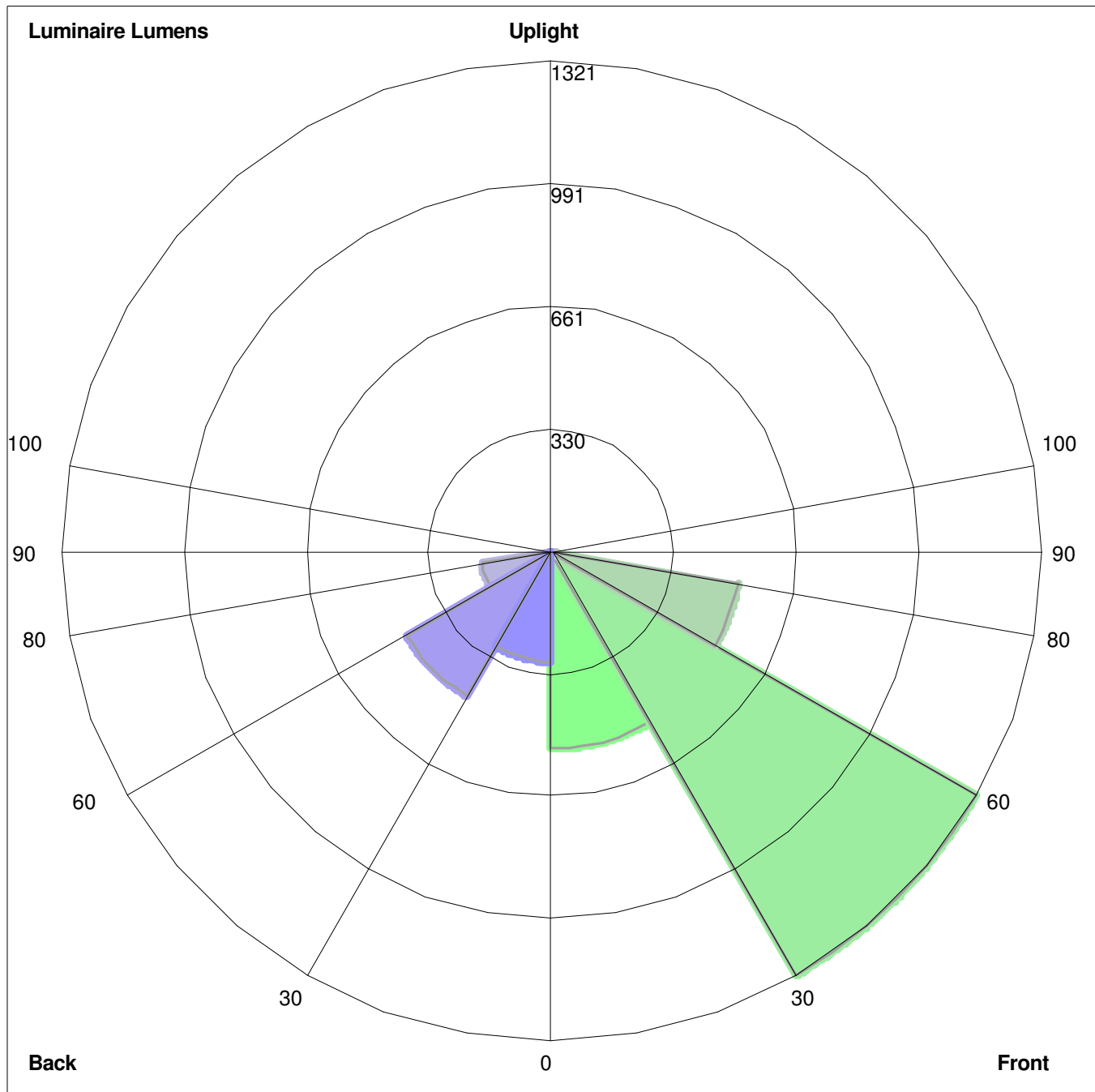


Maximum Candela = 1872.688 Located At Horizontal Angle = 60, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=533.0, Medium=1321.3, High=510.8, Very High=8.8
Back: Low=296.9, Medium=451.7, High=191.1, Very High=1.2
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1