



IES ROAD REPORT
PHOTOMETRIC FILENAME : 06854.1.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 06854
[TESTLAB] A.L.P.-LEXALITE
[ISSUEDATE] 11/27/2019
[MANUFAC] EVLUMA
[LUMCAT]
[LUMINAIRE] OLS-2-AA3-8F-3 AND 70 WATT 3000K OMNIMAX L.C.L. 2.5" BELOW TOP RIM L.C.L. 2.5" BELOW TOP RIM
[LAMP] EVLUMA OMNI-70-3K-ME/MO
[OPERATING_ORIENTATION] POST TOP
[DRIVER] INTERNAL
[STABILIZATION] 75 MINUTES
[OPERATING_TIME] 95 MINUTES
[POWER_FACTOR] .996
[WATTS] 69.87 @ 119.97 VOLTS
[VOLTS] 119.97
[CURRENT] .585
[NOTE] DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120Vac, 60Hz)
[TEST_DISTANCE] 22.25 FEET
[TEMPERATURE] 24.3
[INSTRUMENT] GONIOPHOTOMETER
[PROCEDURE] IESNA LM-79-08
[LUMENS_PER_WATT] 93.31

CHARACTERISTICS

| | |
|---|----------------------------------|
| IES Classification | Type II |
| Longitudinal Classification | Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 6519 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 93 |
| Total Luminaire Watts | 69.9 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.15 |
| Maximum Candela | 5625.27 |
| Maximum Candela Angle | 287.5H 65V |
| Maximum Candela (<90 Degrees Vertical) | 5625.27 |
| Maximum Candela Angle (<90 Degrees Vertical) | 287.5H 65V |
| Maximum Candela At 90 Degrees Vertical | 606.714 (9.3% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 2313.89 (35.5% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 176.3 | N.A. | 2.7 |
| FM - Front-Medium (30-60) | 1030.0 | N.A. | 15.8 |
| FH - Front-High (60-80) | 2265.3 | N.A. | 34.7 |
| FVH - Front-Very High (80-90) | 409.2 | N.A. | 6.3 |
| BL - Back-Low (0-30) | 104.7 | N.A. | 1.6 |
| BM - Back-Medium (30-60) | 506.2 | N.A. | 7.8 |
| BH - Back-High (60-80) | 795.1 | N.A. | 12.2 |
| BVH - Back-Very High (80-90) | 274.3 | N.A. | 4.2 |
| UL - Uplight-Low (90-100) | 350.1 | N.A. | 5.4 |
| UH - Uplight-High (100-180) | 607.9 | N.A. | 9.3 |
| Total | 6519.1 | N.A. | 100.0 |
| BUG Rating | B2-U4-G3 | | |

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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 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 |
| 2.5 | 169.785 | 165.673 | 158.005 | 156.771 | 157.504 | 157.839 | 160.050 | 160.732 | 161.091 | 161.624 |
| 5.0 | 170.599 | 171.459 | 170.644 | 167.278 | 162.763 | 162.053 | 162.089 | 161.488 | 160.814 | 160.712 |
| 7.5 | 189.717 | 190.850 | 192.912 | 193.126 | 194.038 | 191.123 | 187.399 | 185.609 | 185.137 | 184.894 |
| 10.0 | 218.823 | 220.560 | 224.948 | 230.837 | 235.777 | 236.857 | 232.874 | 228.769 | 225.837 | 223.222 |
| 12.5 | 250.927 | 254.132 | 260.800 | 268.797 | 281.652 | 287.502 | 284.569 | 280.642 | 276.872 | 272.972 |
| 15.0 | 287.572 | 290.979 | 301.001 | 321.512 | 345.321 | 363.506 | 366.107 | 362.401 | 355.245 | 350.062 |
| 17.5 | 334.307 | 337.973 | 353.379 | 386.353 | 428.229 | 462.860 | 476.149 | 469.159 | 460.336 | 448.474 |
| 20.0 | 378.711 | 381.544 | 397.883 | 437.466 | 489.655 | 536.220 | 554.320 | 543.869 | 532.842 | 520.009 |
| 22.5 | 413.590 | 417.812 | 433.986 | 474.698 | 533.789 | 605.705 | 635.378 | 619.866 | 605.172 | 587.355 |
| 25.0 | 416.140 | 417.262 | 430.822 | 465.465 | 525.599 | 611.936 | 653.623 | 640.183 | 625.249 | 606.077 |
| 27.5 | 415.501 | 417.265 | 426.525 | 460.433 | 526.958 | 613.411 | 658.982 | 642.707 | 627.129 | 608.027 |
| 30.0 | 424.609 | 422.455 | 425.280 | 455.290 | 521.391 | 615.670 | 671.409 | 661.687 | 646.349 | 630.414 |
| 32.5 | 489.072 | 490.784 | 483.374 | 522.155 | 611.716 | 721.955 | 802.607 | 810.290 | 810.460 | 804.812 |
| 35.0 | 584.118 | 578.042 | 557.809 | 595.231 | 686.002 | 789.481 | 895.787 | 943.501 | 956.111 | 956.396 |
| 37.5 | 615.269 | 602.197 | 581.319 | 614.139 | 703.133 | 804.758 | 941.046 | 1036.730 | 1061.360 | 1067.340 |
| 40.0 | 577.270 | 563.554 | 546.511 | 578.426 | 649.221 | 729.141 | 891.061 | 1019.620 | 1049.190 | 1049.970 |
| 42.5 | 541.430 | 531.439 | 515.636 | 543.833 | 607.134 | 672.614 | 797.123 | 930.476 | 972.208 | 987.859 |
| 45.0 | 592.282 | 588.809 | 566.106 | 603.355 | 689.848 | 748.789 | 825.452 | 947.313 | 1011.530 | 1051.350 |
| 47.5 | 678.853 | 669.745 | 636.387 | 676.227 | 757.970 | 802.266 | 848.867 | 958.891 | 1037.400 | 1107.670 |
| 50.0 | 730.035 | 719.347 | 678.749 | 729.048 | 824.163 | 873.304 | 912.993 | 1009.420 | 1098.780 | 1196.910 |
| 52.5 | 699.902 | 687.031 | 648.793 | 699.487 | 792.300 | 864.310 | 915.581 | 1006.920 | 1092.460 | 1200.630 |
| 55.0 | 706.519 | 705.458 | 675.536 | 728.322 | 861.809 | 968.203 | 1040.250 | 1154.200 | 1252.960 | 1375.250 |
| 57.5 | 805.180 | 813.428 | 812.011 | 882.960 | 1135.930 | 1355.890 | 1462.790 | 1622.970 | 1743.470 | 1911.890 |
| 60.0 | 1108.520 | 1104.550 | 1081.040 | 1182.370 | 1548.960 | 1875.810 | 2083.080 | 2358.180 | 2554.750 | 2769.060 |
| 62.5 | 1423.400 | 1400.210 | 1335.360 | 1457.750 | 1885.360 | 2292.620 | 2779.390 | 3214.000 | 3471.100 | 3737.340 |
| 65.0 | 1533.960 | 1506.810 | 1441.140 | 1561.760 | 1982.630 | 2399.140 | 3089.430 | 3580.830 | 3874.280 | 4121.330 |
| 67.5 | 1513.660 | 1463.310 | 1370.330 | 1474.520 | 1820.620 | 2222.160 | 3066.790 | 3603.220 | 3865.350 | 4079.320 |
| 70.0 | 1479.260 | 1434.600 | 1333.690 | 1390.090 | 1673.980 | 1934.470 | 2851.980 | 3437.370 | 3605.720 | 3757.690 |
| 72.5 | 1349.410 | 1313.190 | 1208.590 | 1271.110 | 1484.580 | 1667.460 | 2375.050 | 2935.190 | 3103.040 | 3290.440 |
| 75.0 | 1224.210 | 1193.890 | 1093.640 | 1125.710 | 1326.510 | 1494.640 | 2062.810 | 2536.980 | 2717.760 | 2875.700 |
| 77.5 | 1116.800 | 1092.470 | 1003.370 | 1036.140 | 1214.750 | 1353.970 | 1833.060 | 2235.960 | 2384.810 | 2465.510 |
| 80.0 | 908.225 | 885.972 | 827.180 | 877.275 | 1040.180 | 1161.970 | 1540.580 | 1847.930 | 1966.500 | 2059.110 |
| 82.5 | 759.730 | 755.897 | 723.415 | 749.453 | 894.575 | 959.554 | 1246.760 | 1485.340 | 1584.920 | 1644.650 |
| 85.0 | 535.521 | 533.861 | 523.532 | 549.734 | 636.676 | 669.800 | 892.362 | 1073.470 | 1141.450 | 1202.850 |
| 87.5 | 400.223 | 401.692 | 406.232 | 445.111 | 505.049 | 519.844 | 650.286 | 730.441 | 773.173 | 813.870 |
| 90.0 | 293.869 | 292.856 | 295.839 | 319.499 | 359.999 | 388.311 | 476.019 | 526.133 | 554.197 | 574.152 |
| 92.5 | 242.749 | 240.310 | 235.693 | 246.671 | 272.645 | 304.470 | 370.081 | 411.725 | 430.503 | 445.558 |
| 95.0 | 212.469 | 210.272 | 204.476 | 209.718 | 232.723 | 256.612 | 307.690 | 342.036 | 355.728 | 366.469 |
| 97.5 | 183.218 | 181.485 | 176.195 | 178.728 | 197.022 | 212.808 | 250.959 | 277.886 | 290.249 | 299.315 |
| 100.0 | 163.627 | 161.464 | 156.079 | 157.179 | 171.081 | 177.843 | 206.499 | 229.070 | 239.573 | 246.598 |
| 102.5 | 159.977 | 156.214 | 150.586 | 150.769 | 158.918 | 161.452 | 182.547 | 200.948 | 208.869 | 215.017 |
| 105.0 | 164.452 | 160.230 | 153.333 | 152.087 | 159.895 | 162.124 | 177.870 | 193.323 | 199.352 | 204.397 |
| 107.5 | 159.998 | 156.338 | 148.414 | 146.329 | 154.431 | 159.562 | 176.117 | 192.785 | 199.518 | 205.076 |
| 110.0 | 154.312 | 151.137 | 143.571 | 141.107 | 148.597 | 154.586 | 177.372 | 196.377 | 203.109 | 209.364 |
| 112.5 | 142.404 | 140.519 | 134.143 | 131.958 | 139.122 | 144.579 | 173.669 | 194.698 | 202.724 | 209.507 |
| 115.0 | 131.766 | 129.940 | 125.217 | 123.558 | 128.587 | 134.455 | 167.857 | 188.390 | 196.275 | 203.632 |
| 117.5 | 129.051 | 127.084 | 122.418 | 121.927 | 126.298 | 135.455 | 170.751 | 188.914 | 196.875 | 203.479 |
| 120.0 | 125.813 | 123.982 | 119.578 | 119.468 | 123.548 | 134.278 | 171.209 | 190.062 | 198.554 | 205.717 |
| 122.5 | 117.862 | 116.034 | 112.756 | 113.616 | 117.683 | 129.503 | 167.206 | 187.664 | 196.801 | 204.955 |
| 125.0 | 110.358 | 108.936 | 106.643 | 107.917 | 112.195 | 125.369 | 161.342 | 181.772 | 190.201 | 198.042 |
| 127.5 | 104.777 | 103.040 | 101.298 | 103.139 | 108.637 | 121.470 | 154.296 | 172.045 | 179.457 | 186.315 |
| 130.0 | 100.687 | 99.079 | 96.982 | 98.421 | 103.156 | 114.126 | 144.529 | 162.204 | 169.443 | 175.999 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 132.5 | 94.659 | 93.611 | 92.231 | 92.707 | 96.768 | 107.234 | 137.636 | 154.871 | 161.924 | 167.309 |
| 135.0 | 88.394 | 87.686 | 87.083 | 88.100 | 91.891 | 103.360 | 134.409 | 151.552 | 157.468 | 161.442 |
| 137.5 | 84.493 | 83.644 | 82.614 | 83.406 | 87.257 | 99.747 | 132.064 | 147.102 | 151.552 | 154.107 |
| 140.0 | 84.752 | 83.240 | 80.851 | 80.289 | 84.584 | 99.984 | 132.902 | 145.749 | 149.076 | 150.873 |
| 142.5 | 87.063 | 84.836 | 80.814 | 79.052 | 84.478 | 102.509 | 135.237 | 146.232 | 149.239 | 150.032 |
| 145.0 | 86.637 | 84.379 | 80.874 | 80.199 | 87.147 | 107.810 | 139.114 | 148.767 | 151.259 | 151.660 |
| 147.5 | 82.080 | 80.418 | 77.951 | 78.689 | 87.049 | 109.204 | 138.564 | 147.452 | 149.927 | 150.310 |
| 150.0 | 75.962 | 74.927 | 73.609 | 75.310 | 84.879 | 106.630 | 132.264 | 140.173 | 142.072 | 142.683 |
| 152.5 | 69.118 | 68.528 | 68.007 | 70.666 | 80.344 | 99.077 | 120.591 | 127.462 | 129.215 | 129.782 |
| 155.0 | 62.344 | 62.146 | 62.204 | 65.474 | 74.302 | 89.344 | 105.425 | 110.696 | 112.031 | 113.166 |
| 157.5 | 55.611 | 55.520 | 56.033 | 59.380 | 67.329 | 78.635 | 89.493 | 93.480 | 94.259 | 95.177 |
| 160.0 | 49.570 | 49.519 | 50.221 | 53.252 | 59.720 | 68.202 | 75.667 | 78.002 | 78.279 | 78.917 |
| 162.5 | 44.540 | 44.327 | 44.768 | 47.484 | 52.419 | 58.440 | 63.550 | 64.736 | 64.940 | 65.194 |
| 165.0 | 39.676 | 39.580 | 39.840 | 41.832 | 45.542 | 49.744 | 52.816 | 53.546 | 53.481 | 53.722 |
| 167.5 | 35.042 | 34.981 | 35.125 | 36.450 | 38.746 | 41.514 | 43.214 | 43.682 | 43.480 | 43.644 |
| 170.0 | 30.929 | 30.782 | 30.715 | 31.148 | 32.092 | 33.492 | 34.848 | 35.429 | 35.424 | 35.523 |
| 172.5 | 28.019 | 27.752 | 27.656 | 27.873 | 28.271 | 28.639 | 29.212 | 29.405 | 29.538 | 29.603 |
| 175.0 | 29.105 | 28.890 | 28.723 | 28.918 | 29.358 | 29.621 | 29.952 | 30.081 | 30.079 | 30.215 |
| 177.5 | 30.012 | 29.760 | 29.600 | 29.882 | 30.312 | 30.560 | 30.858 | 30.977 | 30.970 | 31.094 |
| 180.0 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 |

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 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 |
| 2.5 | 161.864 | 161.211 | 160.054 | 158.751 | 157.334 | 156.995 | 157.999 | 158.452 | 159.473 | 160.180 |
| 5.0 | 160.489 | 160.267 | 160.236 | 159.707 | 159.874 | 159.329 | 158.762 | 158.033 | 156.869 | 155.677 |
| 7.5 | 183.555 | 182.838 | 181.883 | 180.532 | 180.006 | 178.762 | 177.565 | 176.046 | 173.947 | 172.869 |
| 10.0 | 220.686 | 218.609 | 216.555 | 213.128 | 211.209 | 208.446 | 205.721 | 202.213 | 199.500 | 196.511 |
| 12.5 | 268.264 | 264.946 | 260.532 | 253.474 | 249.795 | 243.637 | 239.472 | 234.231 | 228.636 | 223.797 |
| 15.0 | 342.129 | 335.952 | 327.180 | 316.082 | 307.869 | 296.739 | 287.700 | 278.908 | 268.213 | 260.822 |
| 17.5 | 435.432 | 423.759 | 408.643 | 392.724 | 377.459 | 362.069 | 346.566 | 331.254 | 315.949 | 302.627 |
| 20.0 | 502.693 | 487.802 | 470.765 | 448.721 | 429.530 | 408.936 | 389.935 | 368.801 | 350.530 | 333.355 |
| 22.5 | 566.521 | 544.077 | 522.659 | 496.540 | 472.826 | 448.396 | 423.216 | 399.827 | 375.489 | 355.342 |
| 25.0 | 582.581 | 558.334 | 533.752 | 509.755 | 484.684 | 457.932 | 432.602 | 408.170 | 384.772 | 362.961 |
| 27.5 | 590.244 | 564.123 | 541.463 | 517.359 | 490.949 | 463.773 | 436.364 | 412.455 | 387.441 | 366.461 |
| 30.0 | 605.755 | 584.323 | 560.199 | 528.516 | 500.050 | 471.672 | 442.396 | 415.252 | 390.569 | 368.188 |
| 32.5 | 784.777 | 756.310 | 726.664 | 677.690 | 629.131 | 575.257 | 523.576 | 480.608 | 441.867 | 411.936 |
| 35.0 | 945.639 | 918.230 | 880.242 | 825.467 | 765.491 | 692.995 | 619.088 | 559.055 | 505.762 | 468.118 |
| 37.5 | 1053.300 | 1024.140 | 976.791 | 915.008 | 846.205 | 764.915 | 685.818 | 612.482 | 553.375 | 510.401 |
| 40.0 | 1035.120 | 1007.490 | 968.114 | 911.286 | 848.717 | 782.926 | 704.481 | 631.926 | 571.838 | 527.512 |
| 42.5 | 988.100 | 968.768 | 945.225 | 903.472 | 855.099 | 790.636 | 715.109 | 644.089 | 585.082 | 542.428 |
| 45.0 | 1078.200 | 1082.810 | 1070.160 | 1029.270 | 970.268 | 882.076 | 783.648 | 704.546 | 630.544 | 581.740 |
| 47.5 | 1160.010 | 1181.530 | 1186.080 | 1156.560 | 1095.890 | 1001.180 | 886.873 | 787.458 | 698.896 | 639.206 |
| 50.0 | 1275.180 | 1318.480 | 1327.840 | 1303.310 | 1249.030 | 1157.860 | 1037.030 | 919.241 | 811.465 | 728.694 |
| 52.5 | 1291.450 | 1340.430 | 1361.350 | 1349.990 | 1310.880 | 1241.170 | 1135.540 | 1016.810 | 896.705 | 791.705 |
| 55.0 | 1485.570 | 1550.900 | 1575.940 | 1561.540 | 1522.860 | 1434.360 | 1301.900 | 1174.480 | 1016.270 | 885.660 |
| 57.5 | 2049.690 | 2194.410 | 2234.800 | 2256.630 | 2174.920 | 2004.220 | 1776.930 | 1576.650 | 1317.380 | 1134.300 |
| 60.0 | 2986.360 | 3202.900 | 3318.340 | 3331.010 | 3261.770 | 3034.030 | 2715.720 | 2379.000 | 1999.950 | 1673.780 |
| 62.5 | 4004.220 | 4241.030 | 4396.070 | 4406.550 | 4281.760 | 4035.660 | 3703.710 | 3297.350 | 2832.690 | 2356.600 |
| 65.0 | 4400.530 | 4654.840 | 4804.470 | 4861.550 | 4735.370 | 4480.390 | 4184.640 | 3786.040 | 3305.560 | 2803.990 |
| 67.5 | 4310.980 | 4522.780 | 4666.350 | 4690.370 | 4612.750 | 4368.560 | 4059.070 | 3707.560 | 3281.860 | 2865.800 |
| 70.0 | 3892.890 | 4031.460 | 4159.980 | 4187.280 | 4079.960 | 3892.070 | 3626.270 | 3371.660 | 3018.240 | 2614.270 |
| 72.5 | 3466.680 | 3586.620 | 3666.390 | 3674.620 | 3556.900 | 3388.320 | 3140.730 | 2908.070 | 2614.810 | 2270.070 |
| 75.0 | 3046.440 | 3161.870 | 3282.080 | 3298.880 | 3244.380 | 3087.320 | 2861.820 | 2640.800 | 2368.370 | 2029.790 |
| 77.5 | 2572.170 | 2651.410 | 2726.520 | 2717.090 | 2660.780 | 2531.240 | 2375.350 | 2190.930 | 1985.770 | 1723.440 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 80.0 | 2174.060 | 2254.300 | 2313.890 | 2305.650 | 2250.060 | 2142.270 | 2009.670 | 1833.650 | 1638.500 | 1399.700 |
| 82.5 | 1708.350 | 1775.340 | 1823.220 | 1820.280 | 1755.680 | 1669.230 | 1569.150 | 1439.080 | 1263.430 | 1071.090 |
| 85.0 | 1245.800 | 1281.410 | 1299.350 | 1277.000 | 1214.330 | 1153.950 | 1074.070 | 978.068 | 856.533 | 719.150 |
| 87.5 | 833.275 | 848.652 | 868.053 | 852.137 | 823.140 | 777.949 | 723.945 | 654.049 | 583.779 | 502.772 |
| 90.0 | 589.482 | 599.790 | 606.714 | 596.620 | 578.767 | 550.238 | 519.411 | 478.905 | 434.812 | 384.389 |
| 92.5 | 459.013 | 466.937 | 472.328 | 468.227 | 456.147 | 436.895 | 415.449 | 386.070 | 353.351 | 316.428 |
| 95.0 | 376.436 | 384.820 | 391.222 | 389.241 | 380.101 | 366.888 | 349.130 | 326.651 | 301.430 | 271.182 |
| 97.5 | 307.499 | 314.049 | 319.193 | 317.777 | 312.715 | 300.117 | 285.689 | 269.306 | 249.829 | 227.356 |
| 100.0 | 253.742 | 259.755 | 264.918 | 265.777 | 262.557 | 254.011 | 243.719 | 229.656 | 214.616 | 198.256 |
| 102.5 | 221.568 | 226.402 | 231.585 | 234.085 | 232.454 | 227.016 | 218.817 | 207.437 | 195.384 | 181.773 |
| 105.0 | 210.093 | 215.274 | 220.560 | 223.161 | 222.151 | 217.094 | 208.924 | 198.314 | 187.042 | 174.432 |
| 107.5 | 211.120 | 215.316 | 219.955 | 222.362 | 221.496 | 217.020 | 208.530 | 197.435 | 185.201 | 172.326 |
| 110.0 | 215.204 | 219.933 | 223.963 | 225.138 | 223.901 | 218.426 | 208.949 | 197.354 | 182.911 | 168.714 |
| 112.5 | 216.218 | 221.217 | 224.615 | 225.342 | 222.419 | 215.218 | 204.125 | 190.798 | 175.021 | 160.357 |
| 115.0 | 209.412 | 214.489 | 217.317 | 217.651 | 214.599 | 207.644 | 197.336 | 184.266 | 168.706 | 153.733 |
| 117.5 | 209.241 | 214.892 | 219.308 | 219.943 | 216.590 | 209.878 | 199.892 | 186.715 | 172.044 | 156.158 |
| 120.0 | 212.615 | 219.581 | 223.924 | 224.122 | 220.492 | 212.931 | 201.328 | 188.317 | 173.609 | 156.274 |
| 122.5 | 211.950 | 218.283 | 220.588 | 219.875 | 215.090 | 205.810 | 193.154 | 178.670 | 161.963 | 145.452 |
| 125.0 | 203.833 | 209.464 | 210.265 | 208.147 | 202.422 | 192.748 | 179.884 | 165.590 | 149.293 | 133.541 |
| 127.5 | 191.003 | 194.387 | 194.624 | 191.523 | 185.305 | 175.750 | 164.359 | 150.507 | 136.023 | 121.993 |
| 130.0 | 180.153 | 182.706 | 182.535 | 178.631 | 172.278 | 163.049 | 152.430 | 138.726 | 124.520 | 111.976 |
| 132.5 | 170.652 | 172.062 | 170.844 | 166.874 | 160.506 | 151.355 | 140.430 | 127.857 | 114.897 | 103.157 |
| 135.0 | 163.664 | 163.776 | 161.874 | 157.234 | 150.495 | 140.932 | 130.712 | 118.401 | 106.613 | 96.118 |
| 137.5 | 155.240 | 154.658 | 152.075 | 147.376 | 140.968 | 132.122 | 122.091 | 111.032 | 99.974 | 90.471 |
| 140.0 | 151.154 | 149.597 | 146.848 | 142.016 | 135.505 | 127.160 | 117.655 | 106.981 | 97.022 | 88.025 |
| 142.5 | 149.696 | 147.592 | 144.295 | 139.802 | 133.658 | 126.009 | 116.878 | 107.286 | 97.535 | 88.859 |
| 145.0 | 151.344 | 149.067 | 145.785 | 141.028 | 134.884 | 127.695 | 119.094 | 109.722 | 100.490 | 91.793 |
| 147.5 | 149.691 | 147.416 | 144.271 | 139.926 | 134.340 | 127.349 | 119.568 | 111.081 | 102.459 | 94.168 |
| 150.0 | 142.244 | 140.303 | 137.402 | 133.217 | 128.213 | 122.095 | 115.515 | 108.257 | 100.923 | 93.908 |
| 152.5 | 129.262 | 127.470 | 124.946 | 121.607 | 117.296 | 112.112 | 106.844 | 101.283 | 95.457 | 89.524 |
| 155.0 | 112.750 | 111.583 | 109.458 | 106.957 | 104.161 | 99.880 | 95.727 | 91.152 | 86.706 | 82.002 |
| 157.5 | 94.870 | 94.507 | 92.874 | 91.042 | 89.422 | 86.055 | 83.428 | 79.737 | 76.434 | 72.989 |
| 160.0 | 79.184 | 78.630 | 77.607 | 76.160 | 75.063 | 72.667 | 71.127 | 68.510 | 66.236 | 63.877 |
| 162.5 | 65.234 | 64.869 | 64.397 | 63.548 | 62.645 | 61.042 | 59.902 | 58.323 | 56.721 | 55.222 |
| 165.0 | 53.544 | 53.328 | 52.760 | 52.286 | 51.978 | 51.101 | 50.394 | 49.477 | 48.449 | 47.641 |
| 167.5 | 43.608 | 43.669 | 43.314 | 42.969 | 42.940 | 42.309 | 42.089 | 41.579 | 40.913 | 40.560 |
| 170.0 | 35.824 | 35.782 | 35.805 | 35.453 | 35.623 | 35.096 | 35.178 | 34.687 | 34.198 | 34.027 |
| 172.5 | 29.779 | 29.891 | 30.026 | 30.004 | 29.928 | 29.993 | 30.107 | 30.018 | 29.960 | 29.935 |
| 175.0 | 30.258 | 30.420 | 30.482 | 30.507 | 30.589 | 30.608 | 30.633 | 30.666 | 30.676 | 30.680 |
| 177.5 | 31.103 | 31.111 | 31.297 | 31.298 | 31.298 | 31.348 | 31.365 | 31.333 | 31.316 | 31.296 |
| 180.0 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 |

Vert. Angles **Horizontal 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 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 |
| 2.5 | 160.378 | 160.920 | 161.121 | 160.741 | 160.721 | 160.410 | 160.102 | 159.627 | 158.933 | 158.371 |
| 5.0 | 154.505 | 153.497 | 152.990 | 153.125 | 153.163 | 153.699 | 153.681 | 153.169 | 152.689 | 151.915 |
| 7.5 | 171.045 | 169.432 | 168.028 | 167.379 | 166.075 | 164.908 | 162.638 | 161.320 | 160.799 | 160.533 |
| 10.0 | 194.290 | 191.512 | 188.841 | 186.584 | 184.144 | 181.734 | 179.528 | 177.277 | 175.791 | 174.496 |
| 12.5 | 219.976 | 215.301 | 210.546 | 207.005 | 202.380 | 199.508 | 196.040 | 193.423 | 190.799 | 188.262 |
| 15.0 | 252.156 | 244.763 | 237.978 | 232.739 | 226.442 | 221.644 | 217.380 | 213.203 | 209.616 | 206.114 |
| 17.5 | 290.289 | 280.242 | 270.742 | 262.500 | 254.786 | 248.738 | 242.974 | 237.387 | 233.765 | 229.964 |
| 20.0 | 318.508 | 305.316 | 293.311 | 283.767 | 275.530 | 268.674 | 261.857 | 256.731 | 252.215 | 248.258 |
| 22.5 | 337.510 | 322.446 | 309.389 | 300.069 | 291.405 | 284.650 | 279.317 | 274.085 | 269.966 | 266.153 |
| 25.0 | 344.204 | 329.173 | 316.724 | 306.867 | 299.195 | 292.334 | 286.461 | 281.996 | 277.611 | 274.779 |

IES ROAD REPORT
PHOTOMETRIC FILENAME : 06854.1.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|----------|----------|----------|----------|----------|---------|---------|---------|---------|---------|
| 27.5 | 348.227 | 333.111 | 320.999 | 310.930 | 302.204 | 296.074 | 290.901 | 286.847 | 283.760 | 281.281 |
| 30.0 | 350.928 | 336.946 | 325.766 | 315.998 | 307.633 | 301.184 | 296.553 | 292.915 | 290.386 | 288.019 |
| 32.5 | 387.699 | 370.455 | 355.947 | 344.605 | 334.615 | 327.539 | 322.687 | 320.112 | 317.703 | 314.914 |
| 35.0 | 436.696 | 415.700 | 396.853 | 384.288 | 373.220 | 365.966 | 360.035 | 356.551 | 352.530 | 349.226 |
| 37.5 | 477.160 | 451.896 | 432.715 | 418.386 | 406.653 | 398.016 | 388.461 | 383.286 | 378.373 | 374.959 |
| 40.0 | 496.384 | 472.231 | 452.404 | 436.251 | 422.808 | 412.237 | 402.593 | 395.712 | 390.597 | 387.089 |
| 42.5 | 512.322 | 492.050 | 473.069 | 460.408 | 447.362 | 439.297 | 430.538 | 424.547 | 420.411 | 414.039 |
| 45.0 | 546.230 | 523.371 | 507.464 | 498.219 | 491.377 | 485.251 | 481.178 | 477.940 | 478.037 | 473.407 |
| 47.5 | 596.224 | 572.703 | 554.875 | 539.766 | 532.320 | 525.254 | 520.897 | 517.594 | 519.440 | 520.885 |
| 50.0 | 664.116 | 614.643 | 580.399 | 554.278 | 537.244 | 526.367 | 521.156 | 518.022 | 511.794 | 514.826 |
| 52.5 | 702.934 | 629.878 | 575.510 | 537.429 | 508.197 | 490.732 | 477.663 | 470.538 | 463.808 | 459.414 |
| 55.0 | 769.863 | 677.013 | 601.249 | 545.350 | 505.455 | 477.715 | 458.152 | 447.733 | 439.870 | 435.443 |
| 57.5 | 954.127 | 830.516 | 710.873 | 629.491 | 572.982 | 535.927 | 507.470 | 493.128 | 486.335 | 482.296 |
| 60.0 | 1383.150 | 1166.210 | 971.877 | 831.217 | 739.664 | 676.844 | 638.445 | 614.040 | 603.735 | 598.290 |
| 62.5 | 1938.150 | 1592.440 | 1309.050 | 1084.110 | 927.428 | 829.944 | 771.089 | 736.148 | 720.462 | 712.601 |
| 65.0 | 2317.970 | 1900.010 | 1557.350 | 1271.240 | 1049.750 | 910.037 | 828.547 | 785.717 | 763.672 | 756.493 |
| 67.5 | 2386.670 | 1940.900 | 1589.440 | 1312.100 | 1080.330 | 923.432 | 831.149 | 784.243 | 764.186 | 757.139 |
| 70.0 | 2188.120 | 1781.240 | 1469.080 | 1242.810 | 1036.680 | 884.761 | 794.482 | 747.982 | 734.989 | 737.516 |
| 72.5 | 1899.420 | 1549.720 | 1280.430 | 1093.300 | 925.548 | 794.978 | 715.754 | 678.356 | 669.964 | 677.899 |
| 75.0 | 1689.610 | 1387.500 | 1152.870 | 994.304 | 853.232 | 742.937 | 681.309 | 650.909 | 647.739 | 656.749 |
| 77.5 | 1460.300 | 1211.020 | 1011.660 | 882.259 | 768.965 | 678.360 | 625.683 | 600.222 | 600.005 | 613.040 |
| 80.0 | 1170.760 | 973.254 | 824.865 | 729.530 | 642.544 | 578.393 | 543.113 | 523.429 | 527.140 | 545.202 |
| 82.5 | 879.963 | 736.698 | 631.387 | 565.524 | 508.389 | 471.117 | 454.373 | 443.659 | 450.983 | 473.924 |
| 85.0 | 603.332 | 517.955 | 457.809 | 416.588 | 385.341 | 367.014 | 362.323 | 358.546 | 370.363 | 392.030 |
| 87.5 | 440.394 | 387.092 | 350.355 | 324.308 | 306.121 | 295.409 | 297.161 | 298.313 | 312.206 | 335.038 |
| 90.0 | 342.920 | 307.844 | 282.835 | 264.088 | 252.626 | 248.699 | 253.768 | 257.610 | 272.503 | 298.342 |
| 92.5 | 283.922 | 259.016 | 239.057 | 225.819 | 219.277 | 219.603 | 226.463 | 232.491 | 246.148 | 275.482 |
| 95.0 | 246.017 | 226.060 | 209.680 | 199.111 | 195.013 | 196.317 | 202.339 | 206.498 | 220.192 | 247.745 |
| 97.5 | 208.308 | 192.049 | 179.454 | 171.736 | 169.502 | 170.063 | 176.414 | 178.953 | 193.815 | 212.729 |
| 100.0 | 182.706 | 169.023 | 158.678 | 152.584 | 151.174 | 151.312 | 155.816 | 157.265 | 172.174 | 182.229 |
| 102.5 | 168.359 | 155.896 | 146.188 | 140.532 | 138.125 | 137.621 | 140.172 | 141.394 | 149.669 | 156.193 |
| 105.0 | 162.718 | 152.625 | 143.337 | 136.906 | 132.929 | 130.613 | 130.952 | 130.426 | 133.835 | 138.021 |
| 107.5 | 160.667 | 150.440 | 142.297 | 136.571 | 132.120 | 129.074 | 127.999 | 127.187 | 128.172 | 129.699 |
| 110.0 | 156.384 | 145.422 | 137.059 | 131.606 | 126.397 | 122.738 | 120.916 | 119.996 | 119.890 | 120.025 |
| 112.5 | 146.614 | 134.983 | 127.266 | 122.153 | 116.940 | 113.557 | 111.480 | 110.637 | 110.079 | 109.444 |
| 115.0 | 140.215 | 128.345 | 119.965 | 113.615 | 108.303 | 104.827 | 102.606 | 100.879 | 99.773 | 99.011 |
| 117.5 | 140.825 | 128.105 | 118.275 | 110.685 | 104.845 | 100.826 | 98.261 | 96.604 | 95.204 | 93.776 |
| 120.0 | 140.267 | 126.487 | 116.419 | 108.115 | 102.045 | 98.150 | 95.600 | 93.595 | 92.315 | 91.075 |
| 122.5 | 129.758 | 117.305 | 108.407 | 101.440 | 96.247 | 93.103 | 90.871 | 89.371 | 87.939 | 87.005 |
| 125.0 | 119.671 | 108.055 | 99.869 | 93.670 | 89.164 | 86.345 | 84.340 | 82.811 | 81.778 | 80.859 |
| 127.5 | 110.138 | 100.511 | 93.197 | 87.872 | 84.118 | 81.584 | 79.847 | 78.522 | 77.478 | 76.670 |
| 130.0 | 101.436 | 92.814 | 86.717 | 82.050 | 78.778 | 76.499 | 74.982 | 73.768 | 72.904 | 72.169 |
| 132.5 | 93.813 | 86.394 | 80.966 | 76.942 | 74.149 | 72.179 | 70.805 | 69.698 | 68.862 | 68.257 |
| 135.0 | 87.783 | 81.246 | 76.416 | 72.900 | 70.502 | 68.747 | 67.325 | 66.286 | 65.398 | 64.741 |
| 137.5 | 83.023 | 77.126 | 72.785 | 69.490 | 67.089 | 65.256 | 63.838 | 62.713 | 61.921 | 61.296 |
| 140.0 | 80.954 | 75.302 | 70.950 | 67.681 | 65.176 | 63.304 | 61.881 | 60.692 | 59.834 | 59.122 |
| 142.5 | 81.456 | 75.436 | 70.998 | 67.482 | 64.695 | 62.587 | 60.864 | 59.440 | 58.594 | 57.700 |
| 145.0 | 84.225 | 77.912 | 72.801 | 68.834 | 65.618 | 63.120 | 61.066 | 59.258 | 57.955 | 56.812 |
| 147.5 | 86.785 | 80.482 | 75.272 | 70.807 | 67.220 | 64.177 | 61.804 | 59.578 | 58.037 | 56.633 |
| 150.0 | 87.382 | 81.485 | 76.344 | 71.818 | 67.993 | 64.884 | 62.194 | 59.840 | 58.044 | 56.393 |
| 152.5 | 83.807 | 78.580 | 74.192 | 69.955 | 66.419 | 63.205 | 60.692 | 58.519 | 56.573 | 54.928 |
| 155.0 | 77.606 | 73.178 | 69.343 | 65.945 | 62.778 | 60.019 | 57.673 | 55.733 | 53.892 | 52.354 |
| 157.5 | 69.653 | 66.407 | 63.446 | 60.700 | 58.186 | 55.954 | 54.047 | 52.367 | 50.861 | 49.534 |
| 160.0 | 61.565 | 59.390 | 57.193 | 55.206 | 53.421 | 51.664 | 50.176 | 48.959 | 47.844 | 46.787 |
| 162.5 | 53.785 | 52.220 | 50.708 | 49.462 | 48.097 | 46.958 | 45.968 | 45.109 | 44.376 | 43.495 |
| 165.0 | 46.655 | 45.700 | 44.639 | 43.914 | 43.077 | 42.400 | 41.615 | 41.251 | 40.785 | 40.347 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 167.5 | 40.082 | 39.572 | 38.882 | 38.482 | 38.047 | 37.660 | 37.229 | 37.029 | 36.865 | 36.573 |
| 170.0 | 33.802 | 33.628 | 33.260 | 33.121 | 33.009 | 32.978 | 32.935 | 32.851 | 32.792 | 32.929 |
| 172.5 | 29.895 | 29.977 | 30.012 | 30.007 | 30.052 | 30.162 | 30.230 | 30.256 | 30.363 | 30.438 |
| 175.0 | 30.646 | 30.752 | 30.827 | 30.885 | 30.851 | 31.021 | 31.085 | 31.117 | 31.195 | 31.220 |
| 177.5 | 31.320 | 31.424 | 31.402 | 31.415 | 31.447 | 31.571 | 31.687 | 31.601 | 31.672 | 31.699 |
| 180.0 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 |

Vert. Horizontal Angles
Angles

| | 117.5 | 120.0 | 125.0 | 135.0 | 145.0 | 155.0 | 165.0 | 175.0 | 180.0 | 185.0 |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 |
| 2.5 | 157.768 | 157.098 | 155.474 | 150.636 | 146.555 | 143.367 | 144.923 | 148.326 | 155.504 | 153.034 |
| 5.0 | 151.252 | 150.200 | 148.154 | 144.802 | 140.170 | 138.759 | 138.715 | 139.972 | 153.866 | 152.288 |
| 7.5 | 160.271 | 159.629 | 158.337 | 154.877 | 151.071 | 149.128 | 149.748 | 153.126 | 163.691 | 162.754 |
| 10.0 | 173.047 | 170.805 | 169.055 | 167.610 | 164.972 | 163.316 | 162.780 | 164.737 | 174.899 | 174.161 |
| 12.5 | 186.316 | 184.324 | 180.822 | 177.370 | 176.883 | 176.061 | 176.867 | 177.517 | 187.303 | 186.801 |
| 15.0 | 203.784 | 200.866 | 196.705 | 191.456 | 189.313 | 190.066 | 190.548 | 192.490 | 201.243 | 200.907 |
| 17.5 | 227.636 | 223.925 | 219.128 | 213.215 | 209.995 | 208.150 | 207.581 | 208.145 | 216.455 | 215.421 |
| 20.0 | 245.845 | 242.907 | 238.715 | 235.589 | 235.957 | 235.463 | 233.726 | 231.632 | 239.652 | 238.489 |
| 22.5 | 264.325 | 261.858 | 258.386 | 256.285 | 257.145 | 257.258 | 257.913 | 256.835 | 263.326 | 262.489 |
| 25.0 | 272.307 | 270.662 | 268.170 | 269.513 | 274.098 | 278.865 | 278.613 | 278.460 | 283.438 | 281.915 |
| 27.5 | 280.297 | 279.443 | 278.538 | 281.879 | 288.491 | 294.513 | 298.535 | 298.915 | 301.859 | 300.530 |
| 30.0 | 287.197 | 286.253 | 285.360 | 292.319 | 302.967 | 310.531 | 314.219 | 314.732 | 314.977 | 314.380 |
| 32.5 | 314.453 | 312.689 | 311.904 | 319.744 | 330.176 | 334.837 | 336.294 | 331.137 | 333.225 | 329.594 |
| 35.0 | 347.840 | 345.482 | 346.368 | 357.338 | 367.886 | 372.943 | 369.974 | 363.427 | 366.173 | 363.272 |
| 37.5 | 372.637 | 371.051 | 370.933 | 382.203 | 397.280 | 404.229 | 399.945 | 393.800 | 395.028 | 392.125 |
| 40.0 | 384.721 | 382.853 | 382.362 | 394.401 | 415.636 | 427.734 | 425.460 | 416.731 | 414.011 | 411.743 |
| 42.5 | 414.584 | 410.395 | 407.347 | 404.436 | 424.019 | 439.952 | 439.981 | 433.467 | 430.501 | 428.536 |
| 45.0 | 473.630 | 466.690 | 456.643 | 427.267 | 427.376 | 433.741 | 430.771 | 428.977 | 423.130 | 422.618 |
| 47.5 | 521.286 | 515.080 | 494.126 | 450.794 | 426.901 | 416.481 | 402.379 | 398.865 | 388.274 | 386.985 |
| 50.0 | 517.059 | 516.772 | 499.424 | 455.046 | 424.261 | 405.299 | 382.608 | 368.248 | 358.235 | 357.256 |
| 52.5 | 460.934 | 465.693 | 458.994 | 431.750 | 428.246 | 407.909 | 378.361 | 354.968 | 347.009 | 344.264 |
| 55.0 | 432.883 | 436.168 | 438.400 | 435.409 | 447.087 | 429.323 | 392.883 | 364.665 | 358.296 | 355.887 |
| 57.5 | 480.726 | 479.621 | 478.722 | 486.242 | 493.556 | 473.028 | 425.093 | 393.598 | 391.443 | 387.787 |
| 60.0 | 599.529 | 599.280 | 601.513 | 604.338 | 597.588 | 553.539 | 493.031 | 446.841 | 445.210 | 439.624 |
| 62.5 | 713.958 | 716.077 | 726.790 | 733.163 | 719.236 | 655.516 | 582.851 | 522.230 | 520.449 | 508.985 |
| 65.0 | 755.687 | 763.847 | 787.612 | 818.233 | 806.401 | 745.569 | 663.086 | 597.926 | 595.964 | 585.515 |
| 67.5 | 759.165 | 767.957 | 802.128 | 849.892 | 841.442 | 786.523 | 713.180 | 660.026 | 655.315 | 650.931 |
| 70.0 | 740.287 | 754.352 | 792.913 | 846.571 | 848.050 | 783.746 | 729.629 | 688.599 | 689.486 | 691.632 |
| 72.5 | 685.201 | 699.439 | 738.379 | 788.292 | 802.307 | 758.972 | 721.562 | 689.533 | 680.548 | 685.544 |
| 75.0 | 669.364 | 688.730 | 726.751 | 756.326 | 768.063 | 730.870 | 707.533 | 678.426 | 657.628 | 658.133 |
| 77.5 | 631.400 | 646.592 | 687.236 | 717.614 | 731.272 | 704.151 | 689.302 | 658.753 | 633.788 | 634.697 |
| 80.0 | 562.615 | 578.537 | 618.888 | 647.779 | 672.665 | 664.266 | 659.880 | 631.064 | 608.413 | 610.752 |
| 82.5 | 494.304 | 511.407 | 555.788 | 588.884 | 622.305 | 628.948 | 631.422 | 604.285 | 584.725 | 586.954 |
| 85.0 | 414.999 | 430.226 | 479.120 | 524.112 | 575.394 | 600.717 | 609.677 | 587.673 | 568.132 | 571.629 |
| 87.5 | 361.657 | 377.419 | 430.737 | 486.609 | 546.627 | 580.276 | 593.134 | 574.901 | 556.312 | 560.725 |
| 90.0 | 326.538 | 342.483 | 399.735 | 461.048 | 524.063 | 558.964 | 577.541 | 561.144 | 542.394 | 549.232 |
| 92.5 | 299.133 | 318.949 | 375.066 | 440.333 | 504.753 | 534.997 | 553.327 | 549.655 | 527.194 | 536.010 |
| 95.0 | 267.453 | 287.502 | 340.567 | 411.402 | 479.201 | 503.899 | 523.842 | 520.331 | 506.813 | 513.060 |
| 97.5 | 229.842 | 247.044 | 290.845 | 365.876 | 439.802 | 461.657 | 481.984 | 478.833 | 460.831 | 469.195 |
| 100.0 | 197.559 | 208.357 | 243.592 | 311.233 | 382.736 | 401.171 | 415.210 | 411.597 | 402.059 | 405.070 |
| 102.5 | 165.626 | 173.558 | 198.685 | 254.750 | 317.659 | 329.979 | 340.053 | 342.024 | 341.003 | 341.581 |
| 105.0 | 142.790 | 146.147 | 161.433 | 205.553 | 255.745 | 264.464 | 268.528 | 275.376 | 274.211 | 272.327 |
| 107.5 | 131.219 | 132.104 | 138.835 | 167.125 | 204.267 | 203.472 | 204.542 | 213.043 | 211.943 | 212.438 |
| 110.0 | 120.319 | 120.283 | 123.471 | 141.309 | 162.159 | 156.298 | 153.730 | 167.739 | 170.085 | 170.960 |
| 112.5 | 108.840 | 108.454 | 110.492 | 123.333 | 136.711 | 131.883 | 127.177 | 135.892 | 134.754 | 135.336 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 115.0 | 98.294 | 97.764 | 99.034 | 109.326 | 120.231 | 115.944 | 109.116 | 110.669 | 107.638 | 107.611 |
| 117.5 | 93.320 | 92.615 | 93.164 | 101.073 | 108.852 | 104.818 | 95.817 | 92.484 | 88.914 | 88.722 |
| 120.0 | 90.367 | 89.849 | 89.956 | 96.082 | 101.761 | 97.077 | 86.309 | 80.729 | 76.951 | 76.522 |
| 122.5 | 86.540 | 85.800 | 85.838 | 90.598 | 95.312 | 90.987 | 79.943 | 73.200 | 69.207 | 68.826 |
| 125.0 | 80.263 | 79.780 | 79.946 | 84.534 | 88.914 | 85.211 | 75.157 | 67.728 | 63.749 | 63.234 |
| 127.5 | 76.391 | 75.853 | 75.880 | 79.258 | 82.932 | 79.530 | 70.380 | 63.038 | 59.769 | 59.175 |
| 130.0 | 71.858 | 71.527 | 71.368 | 74.025 | 76.832 | 74.007 | 65.599 | 58.991 | 56.421 | 55.963 |
| 132.5 | 67.833 | 67.425 | 67.414 | 68.958 | 70.696 | 67.923 | 61.169 | 55.818 | 53.659 | 53.345 |
| 135.0 | 64.371 | 63.920 | 63.605 | 64.219 | 65.086 | 62.758 | 57.589 | 53.407 | 51.338 | 50.976 |
| 137.5 | 60.897 | 60.373 | 60.031 | 60.223 | 60.636 | 58.615 | 54.455 | 51.042 | 49.512 | 49.330 |
| 140.0 | 58.708 | 58.206 | 57.934 | 57.937 | 57.889 | 55.713 | 51.883 | 49.369 | 48.246 | 48.080 |
| 142.5 | 57.031 | 56.664 | 56.158 | 56.042 | 55.964 | 53.570 | 50.368 | 47.987 | 46.888 | 46.681 |
| 145.0 | 56.008 | 55.326 | 54.734 | 54.665 | 54.634 | 52.359 | 49.359 | 46.809 | 45.479 | 45.006 |
| 147.5 | 55.589 | 54.751 | 53.923 | 53.660 | 53.687 | 51.322 | 48.088 | 45.135 | 43.883 | 43.438 |
| 150.0 | 55.300 | 54.331 | 53.290 | 52.748 | 52.084 | 49.696 | 46.324 | 43.874 | 42.757 | 42.294 |
| 152.5 | 53.791 | 52.778 | 51.419 | 50.310 | 49.485 | 47.452 | 44.670 | 42.682 | 41.757 | 41.407 |
| 155.0 | 51.235 | 50.239 | 48.857 | 48.005 | 47.111 | 45.472 | 43.417 | 41.717 | 40.905 | 40.510 |
| 157.5 | 48.581 | 47.642 | 46.482 | 45.895 | 45.224 | 43.773 | 41.896 | 40.612 | 39.982 | 39.564 |
| 160.0 | 46.024 | 45.224 | 44.493 | 44.015 | 43.313 | 41.975 | 40.504 | 39.323 | 38.869 | 38.448 |
| 162.5 | 43.020 | 42.461 | 41.940 | 41.781 | 41.039 | 40.220 | 38.735 | 37.906 | 37.355 | 36.956 |
| 165.0 | 40.088 | 39.728 | 39.483 | 39.364 | 38.798 | 38.049 | 36.739 | 35.906 | 35.301 | 35.023 |
| 167.5 | 36.486 | 36.233 | 36.136 | 36.367 | 36.135 | 35.477 | 34.247 | 33.698 | 33.457 | 33.342 |
| 170.0 | 32.989 | 32.862 | 33.003 | 33.384 | 33.398 | 33.092 | 32.343 | 32.013 | 32.113 | 31.943 |
| 172.5 | 30.519 | 30.506 | 30.656 | 31.227 | 31.582 | 31.595 | 31.045 | 30.704 | 30.759 | 30.602 |
| 175.0 | 31.245 | 31.185 | 31.152 | 31.231 | 31.212 | 31.138 | 30.805 | 30.722 | 30.984 | 30.776 |
| 177.5 | 31.678 | 31.651 | 31.507 | 31.509 | 31.387 | 31.265 | 30.887 | 30.768 | 30.998 | 30.775 |
| 180.0 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 |

Vert. Angles **Horizontal Angles**

| | <u>195.0</u> | <u>205.0</u> | <u>215.0</u> | <u>225.0</u> | <u>235.0</u> | <u>240.0</u> | <u>242.5</u> | <u>245.0</u> | <u>247.5</u> | <u>250.0</u> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 |
| 2.5 | 149.728 | 148.099 | 148.691 | 153.187 | 159.481 | 161.218 | 161.827 | 162.384 | 162.692 | 162.756 |
| 5.0 | 149.551 | 148.629 | 152.524 | 159.054 | 163.527 | 165.912 | 167.001 | 168.085 | 168.624 | 169.974 |
| 7.5 | 160.966 | 162.582 | 166.856 | 170.861 | 177.474 | 180.078 | 181.540 | 182.598 | 183.805 | 185.342 |
| 10.0 | 174.331 | 176.576 | 179.221 | 184.198 | 190.530 | 193.533 | 195.543 | 197.118 | 199.277 | 201.503 |
| 12.5 | 188.134 | 189.316 | 191.453 | 196.079 | 202.643 | 206.047 | 208.694 | 211.089 | 213.954 | 217.061 |
| 15.0 | 201.575 | 201.708 | 202.856 | 206.852 | 213.855 | 218.510 | 221.607 | 224.478 | 228.160 | 232.500 |
| 17.5 | 214.086 | 214.073 | 214.756 | 218.591 | 227.059 | 231.455 | 234.619 | 238.646 | 242.605 | 247.361 |
| 20.0 | 234.917 | 232.909 | 233.050 | 236.904 | 245.368 | 250.572 | 254.266 | 258.168 | 262.348 | 267.835 |
| 22.5 | 260.050 | 257.221 | 256.615 | 259.092 | 265.611 | 270.690 | 274.027 | 278.272 | 282.200 | 287.166 |
| 25.0 | 280.181 | 276.844 | 275.691 | 276.286 | 281.315 | 285.406 | 288.495 | 292.281 | 295.983 | 300.727 |
| 27.5 | 298.270 | 295.570 | 290.179 | 286.184 | 288.141 | 290.768 | 293.104 | 296.391 | 299.648 | 303.880 |
| 30.0 | 311.508 | 309.395 | 301.866 | 296.896 | 298.098 | 301.166 | 304.031 | 307.161 | 310.707 | 314.597 |
| 32.5 | 328.868 | 330.261 | 322.894 | 314.113 | 313.320 | 314.152 | 316.907 | 320.435 | 324.306 | 328.089 |
| 35.0 | 362.606 | 363.022 | 358.630 | 348.381 | 345.956 | 347.150 | 350.318 | 352.720 | 355.886 | 360.336 |
| 37.5 | 394.333 | 395.513 | 393.764 | 386.852 | 381.971 | 383.809 | 386.007 | 388.445 | 391.747 | 397.112 |
| 40.0 | 415.179 | 421.063 | 423.156 | 417.586 | 414.365 | 416.310 | 419.333 | 422.669 | 426.027 | 430.738 |
| 42.5 | 431.209 | 436.735 | 437.432 | 429.215 | 437.611 | 443.752 | 447.337 | 449.581 | 452.484 | 457.767 |
| 45.0 | 423.473 | 429.669 | 434.564 | 436.127 | 461.189 | 476.848 | 485.745 | 492.436 | 498.284 | 502.627 |
| 47.5 | 393.146 | 402.995 | 419.421 | 436.974 | 480.795 | 508.996 | 524.624 | 539.885 | 548.747 | 551.722 |
| 50.0 | 369.627 | 387.182 | 408.787 | 426.717 | 469.024 | 501.669 | 519.688 | 532.632 | 539.578 | 544.504 |
| 52.5 | 358.733 | 383.592 | 411.519 | 419.376 | 432.650 | 457.280 | 467.027 | 476.261 | 485.537 | 497.176 |
| 55.0 | 368.447 | 396.394 | 424.607 | 420.181 | 414.954 | 424.180 | 430.056 | 437.462 | 446.502 | 458.487 |
| 57.5 | 397.952 | 425.586 | 454.396 | 444.387 | 427.299 | 429.732 | 434.575 | 440.643 | 453.750 | 468.745 |
| 60.0 | 449.764 | 488.455 | 527.248 | 527.678 | 519.528 | 525.168 | 535.375 | 546.238 | 567.747 | 580.966 |

IES ROAD REPORT
PHOTOMETRIC FILENAME : 06854.1.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 62.5 | 522.528 | 576.954 | 639.978 | 650.140 | 643.256 | 659.037 | 676.173 | 693.031 | 712.878 | 728.978 |
| 65.0 | 586.154 | 649.765 | 731.715 | 753.083 | 739.840 | 751.787 | 768.020 | 785.202 | 800.205 | 814.232 |
| 67.5 | 633.276 | 687.765 | 767.485 | 794.984 | 774.176 | 779.137 | 790.711 | 802.773 | 810.117 | 818.562 |
| 70.0 | 663.894 | 694.885 | 751.584 | 772.093 | 743.621 | 749.628 | 755.368 | 761.504 | 762.964 | 766.387 |
| 72.5 | 669.373 | 679.069 | 709.233 | 718.929 | 704.922 | 709.940 | 708.768 | 709.374 | 704.448 | 702.371 |
| 75.0 | 658.787 | 666.289 | 662.196 | 664.249 | 646.542 | 645.283 | 641.695 | 639.055 | 632.012 | 629.787 |
| 77.5 | 644.291 | 647.785 | 607.454 | 598.469 | 586.129 | 585.142 | 579.528 | 575.688 | 565.673 | 559.908 |
| 80.0 | 615.782 | 616.526 | 557.698 | 541.049 | 532.557 | 529.923 | 524.106 | 516.312 | 504.957 | 491.951 |
| 82.5 | 593.023 | 592.464 | 520.333 | 488.520 | 461.962 | 450.726 | 438.026 | 426.376 | 410.528 | 395.390 |
| 85.0 | 579.267 | 577.002 | 502.771 | 463.419 | 422.524 | 404.047 | 388.239 | 371.534 | 354.676 | 336.211 |
| 87.5 | 567.689 | 566.253 | 494.052 | 450.740 | 403.179 | 380.918 | 362.802 | 346.785 | 326.042 | 306.162 |
| 90.0 | 556.580 | 552.876 | 481.132 | 437.697 | 387.943 | 364.389 | 344.795 | 327.627 | 305.505 | 284.904 |
| 92.5 | 537.478 | 527.152 | 461.660 | 423.377 | 368.521 | 340.876 | 320.504 | 301.576 | 282.633 | 260.586 |
| 95.0 | 505.710 | 487.389 | 432.849 | 398.715 | 334.675 | 303.201 | 281.919 | 268.279 | 249.338 | 232.037 |
| 97.5 | 456.585 | 431.707 | 392.192 | 361.714 | 291.592 | 259.903 | 243.082 | 231.937 | 216.059 | 203.915 |
| 100.0 | 391.483 | 363.409 | 337.821 | 306.821 | 241.298 | 215.327 | 201.687 | 193.935 | 184.182 | 176.866 |
| 102.5 | 317.820 | 298.271 | 281.630 | 251.301 | 194.540 | 175.870 | 167.993 | 163.578 | 158.869 | 154.881 |
| 105.0 | 255.546 | 237.500 | 226.772 | 203.325 | 162.147 | 150.393 | 146.080 | 144.294 | 141.838 | 140.247 |
| 107.5 | 200.406 | 182.445 | 178.943 | 164.195 | 139.419 | 132.278 | 130.786 | 130.147 | 129.114 | 128.558 |
| 110.0 | 158.698 | 144.334 | 144.029 | 137.122 | 120.887 | 115.619 | 115.572 | 115.454 | 115.385 | 115.282 |
| 112.5 | 128.696 | 120.380 | 123.399 | 118.984 | 106.824 | 103.220 | 103.570 | 103.717 | 103.982 | 104.323 |
| 115.0 | 105.470 | 104.231 | 109.342 | 106.424 | 96.713 | 93.953 | 94.223 | 94.642 | 95.160 | 95.681 |
| 117.5 | 89.071 | 92.729 | 100.246 | 97.691 | 89.735 | 87.577 | 87.916 | 88.373 | 89.075 | 89.816 |
| 120.0 | 78.792 | 84.722 | 93.573 | 92.472 | 85.570 | 83.690 | 84.057 | 84.629 | 85.314 | 85.978 |
| 122.5 | 71.809 | 78.869 | 87.793 | 87.274 | 81.324 | 79.794 | 80.042 | 80.510 | 80.990 | 81.779 |
| 125.0 | 66.812 | 74.100 | 81.970 | 81.803 | 76.531 | 75.065 | 75.273 | 75.614 | 76.192 | 76.944 |
| 127.5 | 62.796 | 69.693 | 76.538 | 76.513 | 72.510 | 71.484 | 71.706 | 71.950 | 72.521 | 73.383 |
| 130.0 | 59.392 | 65.251 | 70.925 | 71.308 | 68.463 | 67.584 | 67.836 | 68.135 | 68.759 | 69.638 |
| 132.5 | 55.956 | 60.602 | 64.700 | 65.101 | 63.787 | 63.349 | 63.663 | 64.158 | 64.771 | 65.601 |
| 135.0 | 53.046 | 56.667 | 59.356 | 59.942 | 59.623 | 59.745 | 60.189 | 60.688 | 61.363 | 62.270 |
| 137.5 | 50.818 | 53.946 | 55.953 | 56.643 | 57.148 | 57.567 | 58.181 | 58.822 | 59.736 | 60.815 |
| 140.0 | 49.213 | 52.112 | 53.953 | 54.900 | 55.922 | 56.777 | 57.542 | 58.416 | 59.667 | 61.159 |
| 142.5 | 47.891 | 51.043 | 53.046 | 54.147 | 55.398 | 56.766 | 57.730 | 58.938 | 60.483 | 62.387 |
| 145.0 | 46.173 | 49.408 | 51.949 | 53.436 | 55.177 | 56.875 | 58.000 | 59.471 | 61.233 | 63.542 |
| 147.5 | 44.232 | 47.227 | 50.142 | 52.264 | 54.426 | 56.273 | 57.603 | 59.098 | 60.884 | 63.194 |
| 150.0 | 42.975 | 45.463 | 48.198 | 50.203 | 52.365 | 54.297 | 55.544 | 57.072 | 58.693 | 60.947 |
| 152.5 | 41.980 | 43.986 | 46.265 | 47.946 | 49.904 | 51.622 | 52.635 | 54.193 | 55.630 | 57.579 |
| 155.0 | 40.935 | 42.642 | 44.548 | 46.117 | 47.773 | 49.046 | 50.146 | 51.308 | 52.578 | 54.192 |
| 157.5 | 39.780 | 41.032 | 42.604 | 43.992 | 45.337 | 46.416 | 47.151 | 48.135 | 48.982 | 50.313 |
| 160.0 | 38.349 | 39.411 | 40.779 | 41.972 | 43.069 | 43.711 | 44.137 | 44.809 | 45.464 | 46.540 |
| 162.5 | 36.802 | 37.749 | 38.890 | 40.014 | 40.909 | 41.318 | 41.578 | 42.029 | 42.511 | 43.172 |
| 165.0 | 35.168 | 36.117 | 37.228 | 38.114 | 38.778 | 39.059 | 39.178 | 39.481 | 39.742 | 40.210 |
| 167.5 | 33.545 | 34.412 | 35.392 | 36.047 | 36.330 | 36.464 | 36.445 | 36.603 | 36.639 | 36.959 |
| 170.0 | 32.231 | 32.971 | 33.749 | 33.969 | 33.994 | 33.784 | 33.584 | 33.537 | 33.343 | 33.333 |
| 172.5 | 30.744 | 31.290 | 31.784 | 31.667 | 31.600 | 31.535 | 31.481 | 31.472 | 31.410 | 31.424 |
| 175.0 | 30.725 | 31.063 | 31.470 | 31.663 | 31.830 | 31.864 | 31.831 | 31.788 | 31.804 | 31.827 |
| 177.5 | 30.657 | 31.015 | 31.466 | 31.671 | 31.904 | 31.928 | 31.931 | 31.972 | 31.948 | 31.989 |
| 180.0 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 |

Vert. Angles **Horizontal Angles**

| | <u>252.5</u> | <u>255.0</u> | <u>257.5</u> | <u>260.0</u> | <u>262.5</u> | <u>265.0</u> | <u>267.5</u> | <u>270.0</u> | <u>272.5</u> | <u>275.0</u> |
|-----|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 |
| 2.5 | 163.373 | 163.906 | 164.841 | 165.495 | 166.043 | 166.115 | 166.242 | 166.272 | 166.139 | 165.999 |
| 5.0 | 170.837 | 171.653 | 171.859 | 173.139 | 173.751 | 173.942 | 174.851 | 175.989 | 177.194 | 178.112 |
| 7.5 | 186.461 | 188.032 | 188.459 | 190.012 | 191.967 | 193.273 | 194.849 | 197.706 | 199.408 | 200.606 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|
| 10.0 | 203.269 | 205.460 | 207.809 | 211.163 | 213.402 | 216.827 | 219.524 | 223.552 | 226.129 | 228.753 |
| 12.5 | 220.436 | 223.521 | 227.590 | 232.272 | 235.821 | 239.902 | 244.520 | 249.953 | 254.723 | 260.533 |
| 15.0 | 236.467 | 240.771 | 245.271 | 251.068 | 256.552 | 261.896 | 268.694 | 275.449 | 282.520 | 289.417 |
| 17.5 | 251.569 | 256.745 | 262.280 | 268.774 | 275.400 | 282.472 | 290.607 | 299.958 | 309.449 | 318.986 |
| 20.0 | 272.841 | 278.608 | 284.665 | 292.334 | 299.455 | 308.979 | 319.631 | 333.412 | 345.938 | 360.690 |
| 22.5 | 291.903 | 298.400 | 305.737 | 313.705 | 322.227 | 334.120 | 348.333 | 363.912 | 381.699 | 400.511 |
| 25.0 | 306.100 | 311.923 | 318.198 | 326.440 | 336.628 | 348.449 | 362.899 | 378.861 | 397.317 | 418.331 |
| 27.5 | 307.468 | 313.561 | 319.153 | 326.340 | 335.431 | 345.697 | 358.330 | 374.467 | 393.208 | 415.383 |
| 30.0 | 318.919 | 324.146 | 328.868 | 335.704 | 343.633 | 354.303 | 366.578 | 382.833 | 403.685 | 428.457 |
| 32.5 | 333.583 | 338.754 | 344.747 | 351.482 | 359.970 | 370.430 | 383.264 | 400.863 | 422.839 | 452.133 |
| 35.0 | 367.167 | 373.856 | 378.694 | 386.216 | 395.142 | 407.180 | 423.371 | 445.710 | 477.930 | 518.358 |
| 37.5 | 404.008 | 410.816 | 418.497 | 427.554 | 438.379 | 451.973 | 469.674 | 495.867 | 533.038 | 583.428 |
| 40.0 | 436.926 | 443.716 | 451.229 | 462.101 | 473.184 | 486.056 | 503.536 | 529.267 | 568.126 | 617.896 |
| 42.5 | 464.657 | 470.961 | 475.827 | 481.355 | 488.289 | 498.967 | 515.497 | 540.702 | 573.969 | 614.397 |
| 45.0 | 506.199 | 506.910 | 506.941 | 508.865 | 512.194 | 520.163 | 530.860 | 550.603 | 578.557 | 618.182 |
| 47.5 | 551.626 | 552.370 | 549.999 | 553.284 | 558.572 | 564.048 | 572.402 | 590.571 | 620.323 | 668.016 |
| 50.0 | 550.354 | 556.571 | 563.632 | 574.279 | 585.842 | 601.076 | 622.812 | 655.133 | 698.363 | 764.385 |
| 52.5 | 508.061 | 524.063 | 538.489 | 554.500 | 575.841 | 601.244 | 638.981 | 689.810 | 763.971 | 857.713 |
| 55.0 | 474.524 | 492.901 | 515.433 | 541.295 | 573.818 | 617.935 | 673.058 | 751.704 | 849.445 | 971.323 |
| 57.5 | 485.316 | 507.649 | 536.801 | 576.326 | 626.168 | 692.563 | 782.126 | 906.355 | 1047.190 | 1207.070 |
| 60.0 | 603.308 | 623.595 | 660.160 | 712.346 | 785.104 | 894.836 | 1053.340 | 1280.530 | 1529.870 | 1822.820 |
| 62.5 | 750.247 | 773.261 | 818.693 | 893.789 | 1015.670 | 1206.270 | 1501.730 | 1866.800 | 2287.250 | 2779.450 |
| 65.0 | 833.156 | 865.456 | 921.811 | 1023.280 | 1192.230 | 1470.550 | 1847.340 | 2306.860 | 2867.570 | 3517.280 |
| 67.5 | 833.896 | 866.053 | 922.977 | 1038.660 | 1244.550 | 1566.410 | 1984.470 | 2472.160 | 3040.620 | 3668.120 |
| 70.0 | 772.061 | 800.433 | 852.718 | 962.624 | 1158.340 | 1436.830 | 1784.470 | 2211.890 | 2758.420 | 3339.820 |
| 72.5 | 699.974 | 715.090 | 749.534 | 829.826 | 985.411 | 1176.350 | 1436.270 | 1791.300 | 2238.360 | 2727.050 |
| 75.0 | 624.674 | 635.387 | 662.102 | 726.535 | 843.652 | 984.591 | 1191.980 | 1450.050 | 1780.580 | 2129.740 |
| 77.5 | 547.443 | 547.698 | 559.697 | 605.615 | 693.850 | 805.929 | 962.184 | 1151.940 | 1397.140 | 1664.220 |
| 80.0 | 473.197 | 468.269 | 464.379 | 486.214 | 533.868 | 592.993 | 695.777 | 828.452 | 1014.350 | 1219.270 |
| 82.5 | 375.966 | 367.383 | 360.875 | 371.520 | 395.214 | 426.928 | 484.043 | 554.819 | 658.718 | 772.143 |
| 85.0 | 317.098 | 305.213 | 295.081 | 300.934 | 315.605 | 331.166 | 366.553 | 410.307 | 461.018 | 516.830 |
| 87.5 | 285.256 | 271.870 | 259.608 | 262.650 | 272.318 | 282.943 | 312.355 | 345.696 | 383.398 | 416.750 |
| 90.0 | 264.315 | 247.429 | 235.016 | 235.210 | 240.989 | 247.068 | 270.377 | 296.911 | 329.065 | 356.741 |
| 92.5 | 242.204 | 225.637 | 212.630 | 212.619 | 215.899 | 219.347 | 238.476 | 260.998 | 288.129 | 308.249 |
| 95.0 | 214.521 | 201.285 | 190.635 | 190.470 | 193.017 | 194.581 | 210.197 | 228.849 | 251.916 | 268.313 |
| 97.5 | 190.950 | 180.008 | 172.165 | 172.513 | 175.422 | 176.192 | 189.546 | 204.792 | 224.144 | 238.322 |
| 100.0 | 167.459 | 160.911 | 156.559 | 156.869 | 159.880 | 161.110 | 171.750 | 184.795 | 202.213 | 214.465 |
| 102.5 | 149.755 | 145.860 | 143.836 | 145.353 | 149.172 | 151.787 | 160.940 | 172.959 | 188.648 | 200.344 |
| 105.0 | 138.079 | 136.145 | 135.655 | 136.993 | 140.985 | 144.455 | 152.836 | 164.057 | 178.609 | 191.937 |
| 107.5 | 127.241 | 126.310 | 125.793 | 126.882 | 130.609 | 135.382 | 142.799 | 153.871 | 167.768 | 183.299 |
| 110.0 | 115.196 | 115.112 | 115.173 | 116.428 | 120.050 | 125.368 | 133.053 | 143.954 | 158.349 | 175.584 |
| 112.5 | 104.508 | 104.803 | 105.085 | 106.407 | 109.735 | 115.038 | 122.377 | 132.839 | 146.672 | 163.794 |
| 115.0 | 96.306 | 96.884 | 97.594 | 99.407 | 102.674 | 107.882 | 115.467 | 125.787 | 138.939 | 155.364 |
| 117.5 | 90.687 | 91.637 | 92.988 | 95.228 | 99.138 | 105.092 | 113.600 | 123.841 | 136.899 | 152.038 |
| 120.0 | 87.171 | 88.189 | 89.784 | 92.111 | 95.917 | 101.300 | 109.102 | 119.085 | 131.745 | 146.639 |
| 122.5 | 82.827 | 83.906 | 85.318 | 87.478 | 90.856 | 95.358 | 102.327 | 112.056 | 125.249 | 140.954 |
| 125.0 | 77.857 | 79.119 | 80.737 | 82.957 | 86.150 | 90.679 | 97.079 | 106.935 | 119.494 | 134.776 |
| 127.5 | 74.324 | 75.475 | 77.041 | 79.249 | 82.217 | 86.384 | 92.618 | 101.661 | 113.876 | 129.091 |
| 130.0 | 70.737 | 71.986 | 73.601 | 75.862 | 78.857 | 82.871 | 88.599 | 96.830 | 108.152 | 122.307 |
| 132.5 | 66.714 | 68.164 | 69.951 | 72.160 | 75.267 | 79.005 | 84.185 | 91.305 | 101.044 | 113.408 |
| 135.0 | 63.375 | 64.937 | 66.710 | 69.057 | 72.096 | 75.870 | 80.458 | 87.196 | 96.226 | 107.481 |
| 137.5 | 62.226 | 63.869 | 65.812 | 68.365 | 71.692 | 75.650 | 80.586 | 87.141 | 95.682 | 106.562 |
| 140.0 | 62.922 | 65.056 | 67.358 | 70.364 | 74.102 | 78.533 | 84.059 | 91.139 | 99.516 | 110.126 |
| 142.5 | 64.634 | 67.192 | 70.239 | 73.743 | 77.953 | 83.040 | 89.071 | 96.583 | 105.139 | 115.655 |
| 145.0 | 66.205 | 69.287 | 72.731 | 76.835 | 81.262 | 86.645 | 92.760 | 100.180 | 108.589 | 118.198 |
| 147.5 | 65.890 | 69.035 | 72.669 | 76.810 | 81.339 | 86.659 | 92.489 | 99.357 | 107.180 | 115.260 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 150.0 | 63.733 | 66.683 | 69.863 | 73.518 | 77.900 | 82.838 | 88.193 | 94.025 | 100.474 | 107.025 |
| 152.5 | 59.934 | 62.606 | 65.367 | 68.686 | 72.368 | 76.518 | 80.985 | 85.466 | 90.819 | 95.893 |
| 155.0 | 56.160 | 58.242 | 60.655 | 63.330 | 66.130 | 69.374 | 72.713 | 76.125 | 80.120 | 83.992 |
| 157.5 | 51.811 | 53.370 | 55.048 | 57.178 | 59.469 | 61.979 | 64.261 | 66.899 | 69.670 | 72.313 |
| 160.0 | 47.626 | 48.776 | 49.956 | 51.493 | 52.981 | 54.731 | 56.212 | 57.928 | 59.952 | 61.611 |
| 162.5 | 44.038 | 44.735 | 45.489 | 46.615 | 47.664 | 48.691 | 49.432 | 50.583 | 51.890 | 52.876 |
| 165.0 | 40.684 | 41.124 | 41.679 | 42.351 | 42.784 | 43.416 | 44.017 | 44.553 | 45.282 | 45.829 |
| 167.5 | 37.135 | 37.369 | 37.651 | 38.106 | 38.271 | 38.570 | 38.913 | 39.086 | 39.504 | 39.721 |
| 170.0 | 33.286 | 33.137 | 32.927 | 33.014 | 32.854 | 32.831 | 32.936 | 32.967 | 33.288 | 33.321 |
| 172.5 | 31.358 | 31.372 | 31.271 | 31.218 | 31.110 | 31.021 | 30.877 | 30.748 | 30.683 | 30.683 |
| 175.0 | 31.818 | 31.797 | 31.720 | 31.685 | 31.667 | 31.584 | 31.460 | 31.374 | 31.295 | 31.320 |
| 177.5 | 32.044 | 32.048 | 32.002 | 31.935 | 31.947 | 31.881 | 31.858 | 31.683 | 31.704 | 31.707 |
| 180.0 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 |

Vert. Angles **Horizontal Angles**

| | <u>277.5</u> | <u>280.0</u> | <u>282.5</u> | <u>285.0</u> | <u>287.5</u> | <u>290.0</u> | <u>292.5</u> | <u>295.0</u> | <u>297.5</u> | <u>300.0</u> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 |
| 2.5 | 165.614 | 165.809 | 165.555 | 165.710 | 165.885 | 165.800 | 165.845 | 165.775 | 166.196 | 166.350 |
| 5.0 | 179.443 | 179.062 | 180.567 | 180.910 | 181.407 | 181.796 | 181.566 | 182.061 | 182.449 | 182.315 |
| 7.5 | 202.594 | 202.349 | 204.126 | 204.325 | 205.012 | 205.649 | 207.048 | 207.963 | 208.111 | 208.162 |
| 10.0 | 231.642 | 234.339 | 237.835 | 240.917 | 242.745 | 246.015 | 248.745 | 251.162 | 252.243 | 254.181 |
| 12.5 | 265.471 | 271.289 | 277.077 | 282.078 | 286.681 | 293.629 | 298.537 | 302.338 | 305.641 | 308.459 |
| 15.0 | 296.977 | 304.000 | 312.382 | 318.626 | 324.533 | 333.267 | 339.216 | 345.218 | 349.561 | 354.527 |
| 17.5 | 331.193 | 342.901 | 356.449 | 367.633 | 377.102 | 390.138 | 400.147 | 409.058 | 416.936 | 423.409 |
| 20.0 | 377.378 | 393.832 | 411.481 | 428.121 | 443.820 | 461.858 | 477.744 | 490.868 | 503.835 | 516.085 |
| 22.5 | 420.169 | 441.695 | 463.603 | 485.401 | 505.897 | 531.801 | 552.052 | 571.000 | 585.326 | 601.160 |
| 25.0 | 442.033 | 466.589 | 491.239 | 519.562 | 547.393 | 574.015 | 599.176 | 622.338 | 642.012 | 657.975 |
| 27.5 | 439.270 | 465.352 | 492.423 | 518.636 | 544.226 | 569.729 | 594.695 | 620.166 | 641.718 | 660.293 |
| 30.0 | 457.857 | 488.433 | 519.167 | 547.492 | 575.751 | 603.261 | 626.102 | 649.106 | 666.135 | 680.078 |
| 32.5 | 485.463 | 522.382 | 562.090 | 598.420 | 635.618 | 676.587 | 702.903 | 727.148 | 745.256 | 760.796 |
| 35.0 | 569.865 | 624.769 | 687.963 | 749.716 | 810.366 | 861.985 | 890.938 | 903.129 | 916.207 | 914.771 |
| 37.5 | 648.708 | 724.302 | 807.744 | 887.666 | 957.035 | 1011.530 | 1046.690 | 1056.180 | 1052.410 | 1033.110 |
| 40.0 | 682.949 | 761.832 | 854.592 | 938.384 | 1010.730 | 1066.720 | 1108.150 | 1123.830 | 1114.280 | 1091.770 |
| 42.5 | 669.763 | 739.896 | 815.933 | 879.608 | 939.940 | 989.902 | 1020.580 | 1036.370 | 1031.740 | 1008.660 |
| 45.0 | 677.584 | 748.494 | 828.480 | 898.488 | 955.090 | 997.415 | 1014.550 | 1016.790 | 996.652 | 960.327 |
| 47.5 | 744.877 | 843.640 | 948.860 | 1044.830 | 1111.030 | 1145.030 | 1141.100 | 1107.520 | 1052.620 | 989.676 |
| 50.0 | 858.349 | 974.756 | 1102.240 | 1202.390 | 1262.350 | 1292.600 | 1274.310 | 1212.690 | 1126.860 | 1036.350 |
| 52.5 | 974.939 | 1108.670 | 1230.450 | 1315.590 | 1359.270 | 1361.460 | 1326.400 | 1248.990 | 1145.810 | 1050.000 |
| 55.0 | 1115.710 | 1259.830 | 1393.480 | 1470.620 | 1515.460 | 1528.650 | 1491.470 | 1394.750 | 1273.160 | 1168.120 |
| 57.5 | 1399.850 | 1588.090 | 1741.230 | 1857.800 | 1893.620 | 1887.410 | 1842.840 | 1717.620 | 1562.460 | 1433.820 |
| 60.0 | 2158.460 | 2524.940 | 2824.820 | 3039.090 | 3112.880 | 3093.950 | 2964.780 | 2737.450 | 2460.140 | 2251.180 |
| 62.5 | 3336.870 | 3877.550 | 4298.330 | 4576.290 | 4683.090 | 4671.440 | 4436.360 | 4051.330 | 3630.090 | 3324.430 |
| 65.0 | 4223.310 | 4810.430 | 5254.030 | 5536.250 | 5625.270 | 5578.360 | 5283.930 | 4796.940 | 4323.100 | 3904.950 |
| 67.5 | 4253.670 | 4691.230 | 5049.490 | 5278.480 | 5394.930 | 5322.140 | 5102.350 | 4719.110 | 4317.310 | 3939.780 |
| 70.0 | 3842.300 | 4206.650 | 4555.170 | 4792.850 | 4891.050 | 4837.290 | 4640.800 | 4324.780 | 3969.950 | 3558.480 |
| 72.5 | 3143.910 | 3490.070 | 3788.750 | 4031.920 | 4129.920 | 4071.530 | 3881.530 | 3611.740 | 3314.450 | 2944.550 |
| 75.0 | 2446.570 | 2733.760 | 2962.880 | 3153.520 | 3206.800 | 3161.660 | 3022.690 | 2835.300 | 2606.890 | 2346.120 |
| 77.5 | 1915.220 | 2127.920 | 2302.270 | 2460.300 | 2498.680 | 2482.790 | 2390.040 | 2293.480 | 2097.370 | 1908.080 |
| 80.0 | 1421.580 | 1593.010 | 1741.770 | 1850.520 | 1913.490 | 1922.540 | 1844.560 | 1755.560 | 1627.660 | 1492.270 |
| 82.5 | 885.211 | 1000.740 | 1095.760 | 1160.540 | 1211.920 | 1226.540 | 1195.060 | 1151.360 | 1061.150 | 980.483 |
| 85.0 | 567.871 | 624.658 | 672.403 | 703.463 | 722.060 | 742.146 | 737.953 | 726.963 | 692.314 | 652.413 |
| 87.5 | 448.210 | 481.372 | 506.540 | 524.242 | 534.405 | 541.475 | 535.177 | 530.127 | 512.178 | 493.676 |
| 90.0 | 384.356 | 408.712 | 426.506 | 437.414 | 442.418 | 443.369 | 436.968 | 429.679 | 416.998 | 403.074 |
| 92.5 | 331.054 | 352.192 | 367.561 | 377.000 | 382.090 | 382.118 | 374.181 | 366.439 | 356.505 | 343.735 |
| 95.0 | 287.034 | 307.468 | 322.538 | 332.066 | 337.628 | 337.880 | 330.997 | 323.846 | 314.147 | 301.970 |

IES ROAD REPORT
PHOTOMETRIC FILENAME : 06854.1.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 97.5 | 253.366 | 270.569 | 283.532 | 291.999 | 295.848 | 295.428 | 288.735 | 281.599 | 271.913 | 260.815 |
| 100.0 | 228.175 | 242.164 | 253.387 | 261.297 | 264.765 | 264.398 | 257.767 | 249.175 | 239.399 | 227.795 |
| 102.5 | 212.534 | 224.938 | 235.119 | 243.024 | 246.856 | 245.238 | 238.921 | 230.276 | 220.355 | 210.264 |
| 105.0 | 204.973 | 217.416 | 226.882 | 235.302 | 239.352 | 238.377 | 232.649 | 222.895 | 212.426 | 201.664 |
| 107.5 | 198.850 | 212.281 | 223.262 | 231.317 | 235.253 | 233.899 | 228.856 | 219.801 | 209.089 | 197.708 |
| 110.0 | 193.530 | 209.712 | 222.872 | 234.072 | 239.407 | 239.981 | 236.033 | 225.884 | 213.992 | 201.948 |
| 112.5 | 182.409 | 199.050 | 213.059 | 224.247 | 229.405 | 229.974 | 226.518 | 218.278 | 208.097 | 197.763 |
| 115.0 | 173.060 | 188.830 | 201.445 | 210.821 | 214.891 | 215.570 | 212.566 | 205.707 | 197.595 | 189.492 |
| 117.5 | 167.607 | 181.912 | 194.179 | 203.556 | 208.582 | 209.148 | 206.677 | 201.809 | 193.748 | 186.726 |
| 120.0 | 162.556 | 177.023 | 189.826 | 199.565 | 205.397 | 206.409 | 203.376 | 198.556 | 190.826 | 184.029 |
| 122.5 | 157.800 | 173.647 | 186.386 | 196.127 | 201.451 | 202.003 | 198.186 | 193.036 | 186.148 | 177.948 |
| 125.0 | 152.168 | 168.829 | 183.495 | 193.640 | 198.906 | 200.692 | 197.810 | 191.724 | 185.046 | 175.846 |
| 127.5 | 146.549 | 164.750 | 180.761 | 193.371 | 199.509 | 202.096 | 200.471 | 194.936 | 188.510 | 179.042 |
| 130.0 | 139.819 | 157.996 | 174.003 | 186.154 | 192.831 | 195.736 | 195.325 | 191.687 | 184.888 | 176.108 |
| 132.5 | 128.947 | 145.337 | 159.645 | 170.503 | 178.391 | 181.895 | 182.787 | 181.261 | 176.022 | 169.344 |
| 135.0 | 121.005 | 135.442 | 148.325 | 158.761 | 166.533 | 171.535 | 173.756 | 173.624 | 171.003 | 165.243 |
| 137.5 | 118.794 | 131.499 | 142.951 | 152.622 | 159.829 | 165.303 | 167.899 | 169.412 | 167.624 | 164.246 |
| 140.0 | 121.113 | 132.870 | 144.144 | 153.179 | 160.852 | 166.351 | 169.641 | 171.448 | 170.674 | 167.863 |
| 142.5 | 125.746 | 137.086 | 147.554 | 156.793 | 164.309 | 169.268 | 173.558 | 174.712 | 175.079 | 171.889 |
| 145.0 | 128.463 | 138.218 | 148.164 | 156.629 | 163.518 | 168.793 | 172.195 | 174.166 | 173.624 | 171.412 |
| 147.5 | 124.063 | 132.823 | 140.380 | 148.087 | 154.308 | 158.822 | 161.822 | 163.221 | 162.837 | 160.933 |
| 150.0 | 114.240 | 120.267 | 126.478 | 132.337 | 136.773 | 140.357 | 142.315 | 143.417 | 142.764 | 140.957 |
| 152.5 | 101.515 | 105.875 | 110.475 | 114.586 | 117.881 | 120.098 | 121.323 | 121.917 | 121.344 | 119.796 |
| 155.0 | 88.500 | 91.666 | 94.910 | 97.830 | 100.312 | 101.790 | 102.443 | 102.673 | 102.094 | 100.903 |
| 157.5 | 75.377 | 77.445 | 79.743 | 82.147 | 83.931 | 84.748 | 85.234 | 85.592 | 85.416 | 84.576 |
| 160.0 | 63.643 | 64.788 | 66.528 | 68.187 | 69.341 | 69.885 | 70.293 | 70.941 | 70.624 | 70.144 |
| 162.5 | 53.937 | 54.744 | 55.906 | 56.802 | 57.352 | 57.646 | 58.075 | 58.477 | 58.499 | 58.050 |
| 165.0 | 46.432 | 46.782 | 47.447 | 47.898 | 48.129 | 48.270 | 48.569 | 48.773 | 48.737 | 48.471 |
| 167.5 | 40.126 | 40.067 | 40.397 | 40.678 | 40.744 | 40.810 | 40.910 | 40.842 | 40.612 | 40.419 |
| 170.0 | 33.579 | 33.572 | 33.809 | 34.004 | 34.133 | 34.034 | 34.004 | 34.002 | 33.593 | 33.413 |
| 172.5 | 30.584 | 30.561 | 30.412 | 30.408 | 30.427 | 30.327 | 30.216 | 30.091 | 29.931 | 29.769 |
| 175.0 | 31.292 | 31.176 | 31.179 | 31.141 | 31.147 | 31.086 | 31.027 | 30.915 | 30.825 | 30.629 |
| 177.5 | 31.694 | 31.590 | 31.594 | 31.636 | 31.633 | 31.658 | 31.590 | 31.510 | 31.440 | 31.317 |
| 180.0 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 |

Vert. Angles **Horizontal Angles**

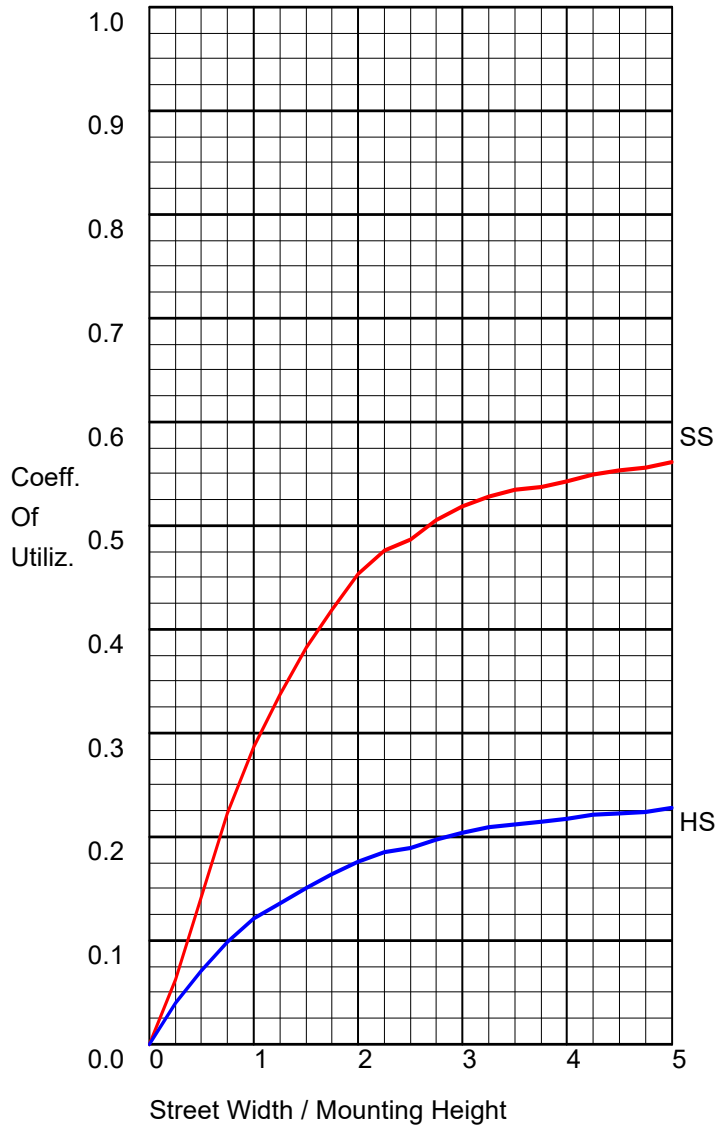
| | 305.0 | 315.0 | 325.0 | 335.0 | 345.0 | 355.0 | 360.0 |
|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 | 162.239 |
| 2.5 | 166.701 | 167.893 | 169.213 | 169.986 | 170.769 | 174.199 | 169.785 |
| 5.0 | 182.770 | 183.153 | 183.746 | 184.330 | 184.045 | 184.949 | 170.599 |
| 7.5 | 209.111 | 208.413 | 207.720 | 206.463 | 204.875 | 204.185 | 189.717 |
| 10.0 | 256.712 | 258.404 | 254.442 | 247.941 | 241.307 | 237.462 | 218.823 |
| 12.5 | 313.286 | 312.650 | 304.191 | 288.148 | 274.363 | 269.026 | 250.927 |
| 15.0 | 359.605 | 360.866 | 347.504 | 325.850 | 309.159 | 302.805 | 287.572 |
| 17.5 | 433.369 | 433.228 | 412.431 | 381.358 | 358.364 | 350.326 | 334.307 |
| 20.0 | 530.387 | 525.547 | 488.596 | 440.714 | 407.060 | 393.359 | 378.711 |
| 22.5 | 614.750 | 593.544 | 540.184 | 482.550 | 439.235 | 423.126 | 413.590 |
| 25.0 | 671.079 | 609.280 | 532.737 | 475.563 | 428.977 | 414.153 | 416.140 |
| 27.5 | 676.275 | 608.977 | 520.118 | 459.588 | 424.898 | 415.261 | 415.501 |
| 30.0 | 692.109 | 627.201 | 527.597 | 462.796 | 427.986 | 425.773 | 424.609 |
| 32.5 | 761.087 | 703.450 | 598.430 | 515.509 | 486.318 | 501.563 | 489.072 |
| 35.0 | 887.002 | 811.934 | 699.435 | 596.071 | 563.513 | 588.007 | 584.118 |
| 37.5 | 968.745 | 845.927 | 722.770 | 623.318 | 582.772 | 607.725 | 615.269 |
| 40.0 | 972.289 | 780.432 | 667.658 | 580.472 | 543.046 | 560.329 | 577.270 |
| 42.5 | 878.971 | 686.234 | 607.981 | 540.444 | 516.467 | 535.855 | 541.430 |

IES ROAD REPORT
PHOTOMETRIC FILENAME : 06854.1.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | |
|-------|----------|----------|----------|----------|----------|----------|----------|
| 45.0 | 828.502 | 716.018 | 657.873 | 588.377 | 573.073 | 604.846 | 592.282 |
| 47.5 | 850.631 | 805.834 | 753.987 | 665.872 | 644.049 | 675.106 | 678.853 |
| 50.0 | 903.399 | 883.635 | 811.474 | 716.079 | 681.122 | 721.566 | 730.035 |
| 52.5 | 936.096 | 912.488 | 814.825 | 701.986 | 651.179 | 682.257 | 699.902 |
| 55.0 | 1035.480 | 1016.270 | 905.042 | 738.344 | 691.832 | 716.391 | 706.519 |
| 57.5 | 1279.940 | 1264.880 | 1098.370 | 874.163 | 852.131 | 869.021 | 805.180 |
| 60.0 | 1978.500 | 1859.850 | 1535.560 | 1182.940 | 1139.660 | 1155.440 | 1108.520 |
| 62.5 | 2814.820 | 2339.800 | 1884.570 | 1471.160 | 1402.890 | 1410.180 | 1423.400 |
| 65.0 | 3243.970 | 2473.240 | 2030.870 | 1611.920 | 1510.620 | 1545.000 | 1533.960 |
| 67.5 | 3259.740 | 2307.740 | 1929.750 | 1584.780 | 1488.340 | 1519.060 | 1513.660 |
| 70.0 | 2875.150 | 1867.920 | 1659.310 | 1446.720 | 1403.080 | 1460.630 | 1479.260 |
| 72.5 | 2358.870 | 1586.710 | 1470.030 | 1315.820 | 1256.860 | 1319.580 | 1349.410 |
| 75.0 | 1891.350 | 1288.170 | 1224.770 | 1111.850 | 1110.110 | 1170.940 | 1224.210 |
| 77.5 | 1575.390 | 1151.580 | 1130.230 | 1013.650 | 1030.120 | 1095.050 | 1116.800 |
| 80.0 | 1266.020 | 1003.170 | 981.264 | 852.093 | 839.832 | 876.676 | 908.225 |
| 82.5 | 855.465 | 715.177 | 720.982 | 650.798 | 682.373 | 704.736 | 759.730 |
| 85.0 | 597.562 | 494.317 | 500.756 | 476.830 | 500.500 | 510.731 | 535.521 |
| 87.5 | 471.394 | 413.375 | 409.288 | 389.264 | 374.282 | 373.294 | 400.223 |
| 90.0 | 381.755 | 329.724 | 300.116 | 280.342 | 272.814 | 275.161 | 293.869 |
| 92.5 | 323.394 | 272.940 | 246.961 | 228.817 | 227.375 | 232.130 | 242.749 |
| 95.0 | 281.331 | 234.824 | 214.221 | 197.698 | 198.210 | 203.725 | 212.469 |
| 97.5 | 238.247 | 200.659 | 189.766 | 175.216 | 172.591 | 175.872 | 183.218 |
| 100.0 | 205.255 | 173.708 | 170.462 | 160.375 | 156.987 | 159.403 | 163.627 |
| 102.5 | 189.190 | 163.044 | 161.062 | 155.230 | 155.258 | 159.232 | 159.977 |
| 105.0 | 179.684 | 156.440 | 156.903 | 152.647 | 156.208 | 161.806 | 164.452 |
| 107.5 | 175.530 | 150.607 | 149.361 | 145.656 | 150.113 | 156.169 | 159.998 |
| 110.0 | 176.271 | 143.081 | 143.182 | 139.518 | 143.066 | 149.207 | 154.312 |
| 112.5 | 173.925 | 136.318 | 133.707 | 130.090 | 132.009 | 136.371 | 142.404 |
| 115.0 | 171.588 | 133.948 | 126.767 | 123.742 | 123.974 | 127.266 | 131.766 |
| 117.5 | 171.817 | 135.061 | 124.312 | 121.497 | 122.127 | 125.530 | 129.051 |
| 120.0 | 169.192 | 133.764 | 120.191 | 117.288 | 117.867 | 121.056 | 125.813 |
| 122.5 | 161.874 | 129.437 | 114.738 | 111.349 | 111.868 | 113.651 | 117.862 |
| 125.0 | 156.596 | 124.248 | 108.593 | 104.951 | 105.106 | 106.707 | 110.358 |
| 127.5 | 156.212 | 121.296 | 106.284 | 102.059 | 101.621 | 102.197 | 104.777 |
| 130.0 | 152.725 | 115.220 | 100.969 | 97.070 | 96.210 | 97.749 | 100.687 |
| 132.5 | 148.008 | 110.853 | 95.779 | 90.618 | 90.053 | 91.393 | 94.659 |
| 135.0 | 147.201 | 109.147 | 91.932 | 86.324 | 85.319 | 85.917 | 88.394 |
| 137.5 | 148.883 | 110.747 | 91.725 | 84.848 | 83.160 | 83.180 | 84.493 |
| 140.0 | 155.065 | 115.670 | 94.117 | 86.870 | 85.192 | 84.431 | 84.752 |
| 142.5 | 159.882 | 121.066 | 97.448 | 89.658 | 88.085 | 87.220 | 87.063 |
| 145.0 | 159.390 | 122.155 | 98.269 | 89.893 | 87.965 | 86.102 | 86.637 |
| 147.5 | 149.530 | 116.919 | 94.366 | 85.205 | 82.297 | 80.643 | 82.080 |
| 150.0 | 131.561 | 106.273 | 86.687 | 77.879 | 75.176 | 74.030 | 75.962 |
| 152.5 | 112.850 | 94.037 | 78.291 | 70.203 | 67.518 | 66.749 | 69.118 |
| 155.0 | 96.150 | 82.604 | 70.459 | 63.236 | 60.608 | 60.006 | 62.344 |
| 157.5 | 81.130 | 72.184 | 63.100 | 56.782 | 54.088 | 53.662 | 55.611 |
| 160.0 | 67.882 | 62.208 | 55.831 | 50.608 | 48.046 | 47.742 | 49.570 |
| 162.5 | 56.894 | 53.645 | 49.414 | 45.165 | 43.117 | 42.878 | 44.540 |
| 165.0 | 47.912 | 45.772 | 42.993 | 39.757 | 38.368 | 38.247 | 39.676 |
| 167.5 | 39.793 | 38.493 | 36.554 | 34.668 | 33.743 | 33.696 | 35.042 |
| 170.0 | 32.693 | 31.428 | 30.431 | 29.746 | 29.454 | 29.598 | 30.929 |
| 172.5 | 29.546 | 29.051 | 28.612 | 28.109 | 27.590 | 27.488 | 28.019 |
| 175.0 | 30.448 | 30.123 | 29.759 | 29.367 | 28.860 | 28.692 | 29.105 |
| 177.5 | 31.127 | 30.832 | 30.593 | 30.313 | 29.782 | 29.667 | 30.012 |
| 180.0 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 | 31.217 |

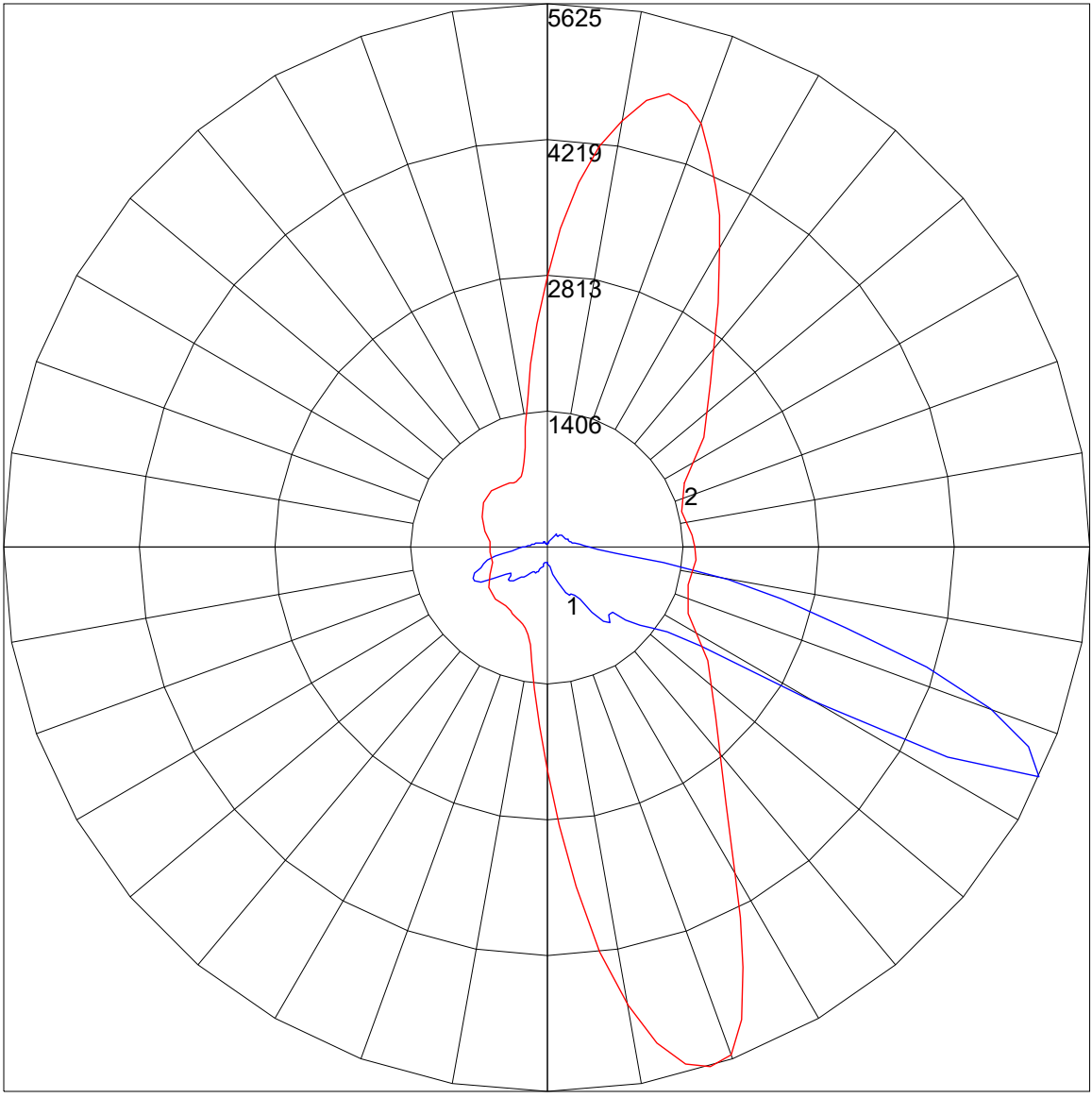
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

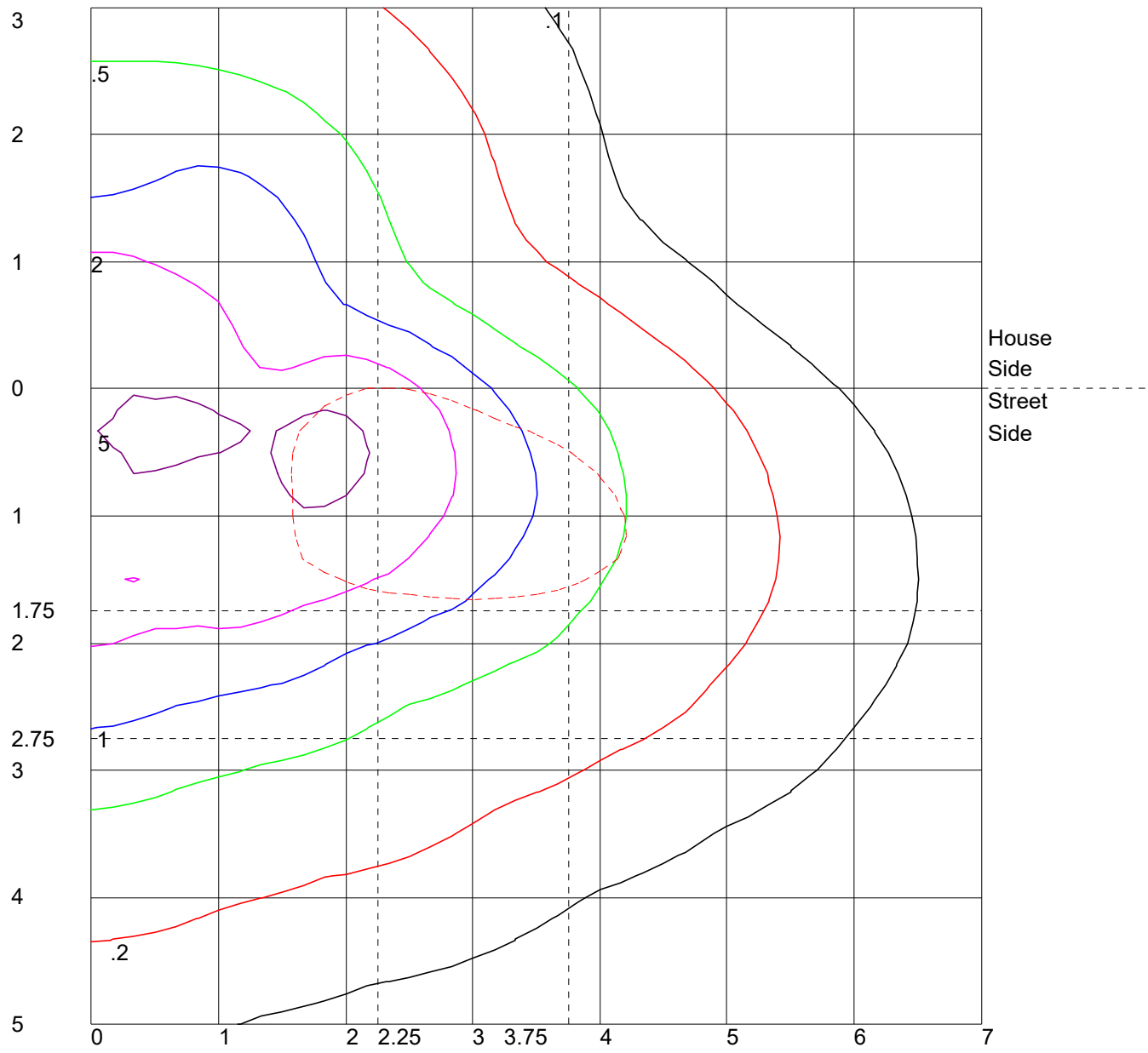
| | Lumens | Percent Of Luminaire |
|----------------------|---------------|----------------------|
| Downward Street Side | 3880.8 | 59.5 |
| Downward House Side | 1680.2 | 25.8 |
| Downward Total | 5561.0 | 85.3 |
| Upward Street Side | 493.6 | 7.6 |
| Upward House Side | 464.4 | 7.1 |
| Upward Total | 958.0 | 14.7 |
| Total Flux | 6519.0 | 100.0 |

POLAR GRAPH



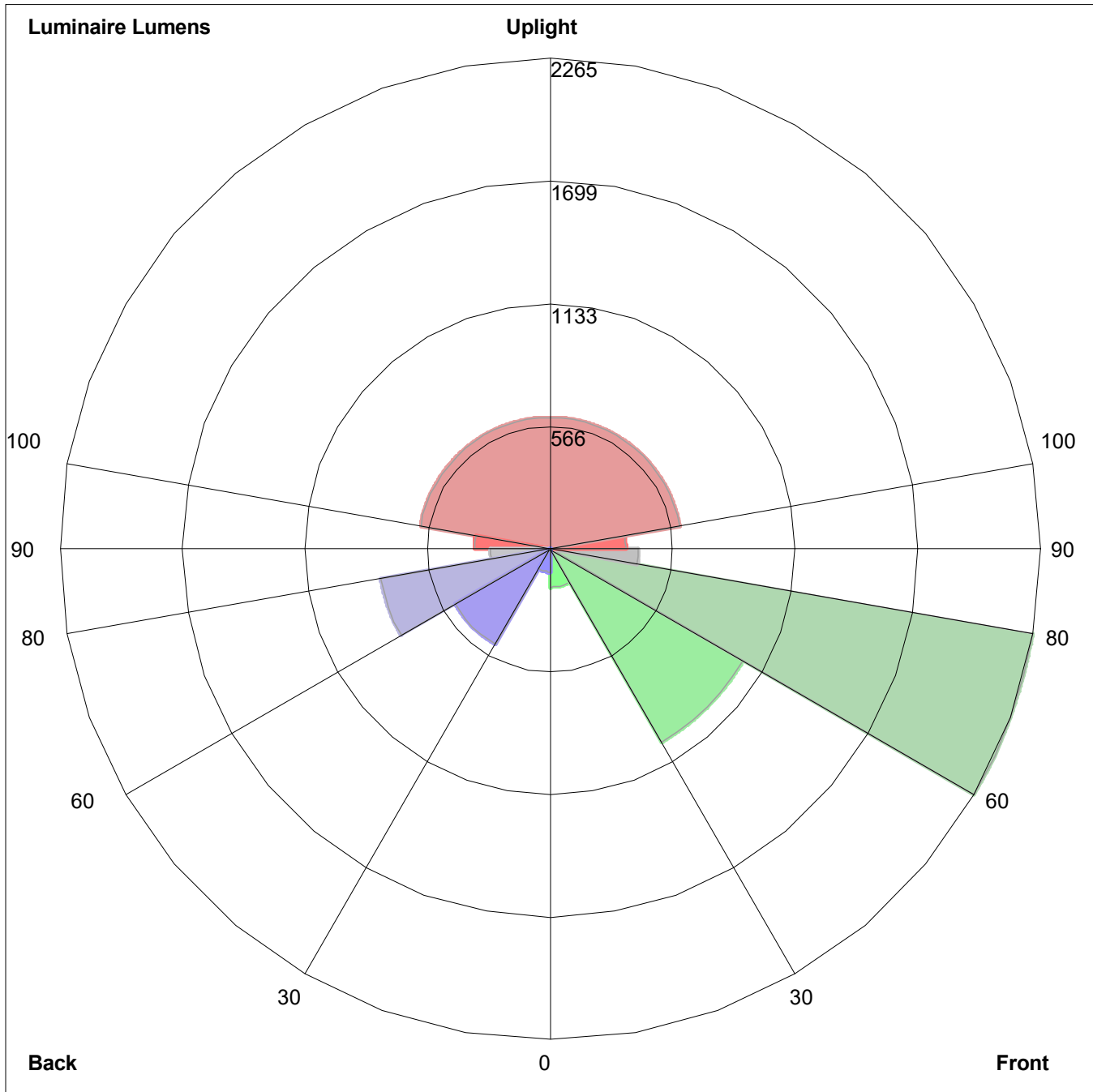
Maximum Candela = 5625.27 Located At Horizontal Angle = 287.5, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (287.5 - 107.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 8 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
 Front: Low=176.3, Medium= 1030.0, High=2265.3, Very High=409.2
 Back: Low=104.7, Medium=506.2, High=795.1, Very High=274.3
 Uplight: Low=350.1, High=607.9

BUG Rating : B2-U4-G3