



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SLLED4HTMOWT50120-277V.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
 [TEST] SLLED4HTMOWT50120-277V
 [TESTLAB] BEGHELLI
 [TESTDATE] 2017-07-18
 [ISSUEDATE] 2017-07-19 08:42:23
 [NEARFIELD]
 [LAMPPOSITION] 0,0
 [MANUFAC] BEGHELLI

CHARACTERISTICS

| | |
|---------------------------------|-------------------|
| Lumens Per Lamp | 1000 (1 lamp) |
| Total Lamp Lumens | 1000 |
| Luminaire Lumens | 3931 |
| Total Luminaire Efficiency | 393 % |
| Luminaire Efficacy Rating (LER) | 94 |
| Total Luminaire Watts | 41.6 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.20 |
| Spacing Criterion (90-270) | 1.38 |
| Spacing Criterion (Diagonal) | 1.44 |
| Basic Luminous Shape | Unknown |
| Luminous Length (0-180) | 0.61 m (Diameter) |
| Luminous Width (90-270) | 0.44 m (Diameter) |
| Luminous Height | 0.00 m |

LUMINANCE DATA (cd/sq.m)

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

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CANDELA TABULATION

| | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 |
|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|
| 0 | 1105.563 | 1105.563 | 1105.563 | 1105.563 | 1105.563 | 1105.563 | 1105.563 | 1105.563 | 1105.563 | 1105.563 |
| 1 | 1101.410 | 1102.670 | 1103.640 | 1106.510 | 1107.540 | 1108.060 | 1109.840 | 1108.060 | 1107.540 | 1106.510 |
| 2 | 1100.320 | 1101.810 | 1103.530 | 1106.110 | 1107.600 | 1108.120 | 1110.070 | 1108.120 | 1107.600 | 1106.110 |
| 3 | 1098.270 | 1100.310 | 1102.500 | 1105.760 | 1107.030 | 1107.600 | 1109.560 | 1107.600 | 1107.030 | 1105.760 |
| 4 | 1095.520 | 1098.640 | 1101.350 | 1104.500 | 1106.170 | 1107.030 | 1109.380 | 1107.030 | 1106.170 | 1104.500 |
| 5 | 1092.820 | 1096.570 | 1100.030 | 1103.640 | 1105.260 | 1106.620 | 1108.410 | 1106.620 | 1105.260 | 1103.640 |
| 6 | 1089.040 | 1093.580 | 1097.700 | 1101.620 | 1103.760 | 1105.010 | 1107.220 | 1105.010 | 1103.760 | 1101.620 |
| 7 | 1085.030 | 1090.200 | 1095.160 | 1099.780 | 1102.060 | 1103.630 | 1106.060 | 1103.630 | 1102.060 | 1099.780 |
| 8 | 1080.810 | 1086.720 | 1092.010 | 1097.080 | 1100.040 | 1101.850 | 1103.830 | 1101.850 | 1100.040 | 1097.080 |
| 9 | 1075.870 | 1082.340 | 1088.180 | 1094.310 | 1096.670 | 1099.650 | 1102.110 | 1099.650 | 1096.670 | 1094.310 |
| 10 | 1070.210 | 1077.790 | 1084.450 | 1091.030 | 1094.460 | 1097.340 | 1100.100 | 1097.340 | 1094.460 | 1091.030 |
| 11 | 1064.540 | 1072.460 | 1080.230 | 1087.220 | 1091.320 | 1094.270 | 1097.770 | 1094.270 | 1091.320 | 1087.220 |
| 12 | 1058.090 | 1067.360 | 1075.480 | 1083.560 | 1087.460 | 1091.360 | 1094.590 | 1091.360 | 1087.460 | 1083.560 |
| 13 | 1051.290 | 1061.150 | 1070.420 | 1078.840 | 1083.800 | 1088.430 | 1091.800 | 1088.430 | 1083.800 | 1078.840 |
| 14 | 1044.250 | 1054.830 | 1064.710 | 1073.660 | 1079.780 | 1084.850 | 1088.350 | 1084.850 | 1079.780 | 1073.660 |
| 15 | 1036.630 | 1047.970 | 1058.770 | 1069.120 | 1075.720 | 1080.990 | 1084.800 | 1080.990 | 1075.720 | 1069.120 |
| 16 | 1028.660 | 1040.700 | 1052.380 | 1063.510 | 1070.910 | 1077.330 | 1081.270 | 1077.330 | 1070.910 | 1063.510 |
| 17 | 1020.320 | 1033.320 | 1045.750 | 1058.000 | 1066.090 | 1072.870 | 1077.200 | 1072.870 | 1066.090 | 1058.000 |
| 18 | 1011.670 | 1025.080 | 1038.640 | 1051.490 | 1060.800 | 1068.620 | 1073.110 | 1068.620 | 1060.800 | 1051.490 |
| 19 | 1002.620 | 1016.630 | 1030.830 | 1045.430 | 1055.320 | 1063.970 | 1069.060 | 1063.970 | 1055.320 | 1045.430 |
| 20 | 992.840 | 1007.600 | 1023.620 | 1038.650 | 1049.540 | 1059.100 | 1064.300 | 1059.100 | 1049.540 | 1038.650 |
| 21 | 982.940 | 998.360 | 1015.410 | 1031.490 | 1043.730 | 1054.110 | 1059.650 | 1054.110 | 1043.730 | 1031.490 |
| 22 | 972.700 | 988.800 | 1006.600 | 1024.240 | 1037.770 | 1048.680 | 1054.840 | 1048.680 | 1037.770 | 1024.240 |
| 23 | 961.880 | 979.150 | 997.970 | 1016.850 | 1031.340 | 1043.100 | 1049.560 | 1043.100 | 1031.340 | 1016.850 |
| 24 | 950.530 | 968.730 | 988.700 | 1008.640 | 1024.380 | 1037.630 | 1043.710 | 1037.630 | 1024.380 | 1008.640 |
| 25 | 939.440 | 958.020 | 979.200 | 1000.450 | 1017.540 | 1031.630 | 1038.740 | 1031.630 | 1017.540 | 1000.450 |
| 26 | 927.860 | 947.060 | 969.300 | 992.000 | 1010.490 | 1025.560 | 1032.800 | 1025.560 | 1010.490 | 992.000 |
| 27 | 915.740 | 935.840 | 959.710 | 983.330 | 1002.970 | 1019.380 | 1027.000 | 1019.380 | 1002.970 | 983.330 |
| 28 | 903.350 | 924.360 | 948.700 | 974.410 | 995.720 | 1012.780 | 1020.890 | 1012.780 | 995.720 | 974.410 |
| 29 | 890.660 | 912.560 | 938.390 | 965.570 | 987.940 | 1006.160 | 1014.530 | 1006.160 | 987.940 | 965.570 |
| 30 | 877.620 | 900.330 | 927.600 | 956.210 | 980.130 | 999.560 | 1008.120 | 999.560 | 980.130 | 956.210 |
| 31 | 864.550 | 887.640 | 916.190 | 946.600 | 972.090 | 992.630 | 1001.920 | 992.630 | 972.090 | 946.600 |
| 32 | 851.080 | 874.950 | 904.730 | 936.690 | 963.900 | 985.440 | 995.100 | 985.440 | 963.900 | 936.690 |
| 33 | 837.260 | 861.970 | 893.580 | 926.770 | 955.510 | 978.070 | 987.900 | 978.070 | 955.510 | 926.770 |
| 34 | 823.560 | 849.000 | 881.480 | 916.580 | 946.830 | 970.790 | 981.090 | 970.790 | 946.830 | 916.580 |
| 35 | 809.150 | 835.550 | 869.340 | 906.420 | 938.120 | 963.050 | 973.850 | 963.050 | 938.120 | 906.420 |
| 36 | 794.630 | 821.710 | 857.150 | 896.030 | 929.330 | 955.090 | 966.280 | 955.090 | 929.330 | 896.030 |
| 37 | 779.920 | 807.610 | 844.740 | 885.030 | 920.380 | 947.450 | 958.450 | 947.450 | 920.380 | 885.030 |
| 38 | 765.340 | 793.470 | 832.200 | 874.470 | 910.970 | 939.630 | 951.170 | 939.630 | 910.970 | 874.470 |
| 39 | 749.930 | 779.100 | 819.420 | 863.540 | 901.560 | 931.000 | 943.390 | 931.000 | 901.560 | 863.540 |
| 40 | 734.850 | 764.750 | 806.470 | 852.220 | 892.270 | 922.670 | 935.030 | 922.670 | 892.270 | 852.220 |
| 41 | 719.090 | 749.830 | 793.420 | 841.100 | 882.860 | 914.440 | 927.000 | 914.440 | 882.860 | 841.100 |
| 42 | 703.580 | 735.090 | 779.990 | 829.920 | 873.110 | 905.580 | 918.820 | 905.580 | 873.110 | 829.920 |
| 43 | 687.740 | 719.960 | 766.450 | 818.620 | 863.180 | 896.700 | 910.250 | 896.700 | 863.180 | 818.620 |
| 44 | 671.690 | 704.610 | 753.160 | 806.740 | 853.000 | 887.910 | 901.830 | 887.910 | 853.000 | 806.740 |
| 45 | 655.840 | 689.640 | 739.790 | 795.220 | 843.350 | 878.600 | 893.030 | 878.600 | 843.350 | 795.220 |
| 46 | 639.400 | 674.060 | 726.000 | 783.280 | 832.540 | 869.750 | 884.310 | 869.750 | 832.540 | 783.280 |
| 47 | 622.730 | 658.390 | 712.190 | 771.520 | 822.510 | 860.340 | 875.130 | 860.340 | 822.510 | 771.520 |
| 48 | 606.340 | 642.790 | 698.640 | 759.670 | 812.020 | 851.040 | 866.200 | 851.040 | 812.020 | 759.670 |
| 49 | 589.640 | 626.960 | 684.470 | 747.650 | 801.630 | 841.230 | 856.670 | 841.230 | 801.630 | 747.650 |
| 50 | 573.050 | 610.990 | 670.670 | 735.870 | 791.240 | 831.700 | 847.580 | 831.700 | 791.240 | 735.870 |
| 51 | 555.730 | 594.980 | 656.420 | 723.570 | 780.280 | 821.800 | 837.860 | 821.800 | 780.280 | 723.570 |
| 52 | 539.180 | 579.040 | 642.830 | 711.670 | 770.110 | 812.320 | 828.610 | 812.320 | 770.110 | 711.670 |
| 53 | 521.670 | 562.950 | 628.610 | 699.430 | 759.130 | 802.510 | 818.920 | 802.510 | 759.130 | 699.430 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 54 | 504.370 | 546.760 | 614.750 | 687.460 | 748.360 | 792.380 | 809.270 | 792.380 | 748.360 | 687.460 |
| 55 | 487.510 | 530.620 | 600.480 | 675.290 | 737.660 | 782.080 | 799.540 | 782.080 | 737.660 | 675.290 |
| 56 | 469.860 | 514.230 | 586.420 | 663.150 | 726.700 | 772.150 | 789.810 | 772.150 | 726.700 | 663.150 |
| 57 | 452.560 | 498.090 | 572.660 | 650.960 | 715.710 | 761.980 | 779.400 | 761.980 | 715.710 | 650.960 |
| 58 | 435.120 | 481.940 | 558.840 | 638.930 | 704.800 | 751.710 | 769.410 | 751.710 | 704.800 | 638.930 |
| 59 | 417.520 | 465.490 | 544.970 | 626.840 | 693.990 | 741.580 | 759.530 | 741.580 | 693.990 | 626.840 |
| 60 | 399.910 | 449.250 | 530.930 | 614.540 | 683.050 | 731.110 | 749.210 | 731.110 | 683.050 | 614.540 |
| 61 | 382.380 | 433.300 | 517.170 | 602.680 | 671.890 | 720.800 | 739.190 | 720.800 | 671.890 | 602.680 |
| 62 | 364.810 | 417.050 | 503.420 | 590.540 | 661.180 | 710.380 | 728.720 | 710.380 | 661.180 | 590.540 |
| 63 | 347.380 | 400.920 | 489.790 | 578.440 | 649.930 | 699.940 | 718.300 | 699.940 | 649.930 | 578.440 |
| 64 | 329.730 | 385.190 | 476.130 | 566.630 | 639.000 | 689.260 | 708.110 | 689.260 | 639.000 | 566.630 |
| 65 | 311.980 | 369.210 | 463.090 | 554.750 | 628.010 | 678.930 | 697.580 | 678.930 | 628.010 | 554.750 |
| 66 | 294.540 | 353.280 | 449.480 | 543.040 | 617.160 | 668.490 | 687.360 | 668.490 | 617.160 | 543.040 |
| 67 | 277.210 | 337.950 | 436.530 | 531.420 | 606.250 | 658.120 | 676.770 | 658.120 | 606.250 | 531.420 |
| 68 | 259.680 | 322.660 | 423.640 | 519.820 | 595.430 | 647.540 | 666.360 | 647.540 | 595.430 | 519.820 |
| 69 | 242.650 | 310.690 | 410.790 | 508.220 | 584.840 | 637.090 | 656.020 | 637.090 | 584.840 | 508.220 |
| 70 | 225.460 | 298.700 | 397.980 | 496.810 | 573.620 | 626.560 | 645.580 | 626.560 | 573.620 | 496.810 |
| 71 | 208.870 | 283.660 | 385.580 | 485.440 | 563.370 | 616.110 | 635.300 | 616.110 | 563.370 | 485.440 |
| 72 | 192.090 | 268.710 | 373.370 | 474.230 | 552.500 | 605.640 | 624.860 | 605.640 | 552.500 | 474.230 |
| 73 | 175.610 | 254.080 | 361.190 | 463.120 | 541.880 | 595.250 | 614.410 | 595.250 | 541.880 | 463.120 |
| 74 | 159.590 | 239.930 | 349.230 | 452.450 | 531.580 | 584.890 | 604.280 | 584.890 | 531.580 | 452.450 |
| 75 | 146.130 | 226.040 | 337.630 | 441.600 | 521.080 | 574.700 | 594.060 | 574.700 | 521.080 | 441.600 |
| 76 | 132.680 | 212.590 | 326.230 | 430.870 | 510.740 | 564.630 | 583.850 | 564.630 | 510.740 | 430.870 |
| 77 | 117.350 | 199.500 | 315.070 | 420.450 | 500.500 | 554.520 | 573.660 | 554.520 | 500.500 | 420.450 |
| 78 | 102.530 | 186.880 | 304.280 | 410.000 | 490.650 | 544.570 | 563.550 | 544.570 | 490.650 | 410.000 |
| 79 | 88.270 | 174.750 | 293.570 | 399.930 | 480.630 | 534.470 | 553.230 | 534.470 | 480.630 | 399.930 |
| 80 | 74.730 | 163.310 | 283.290 | 390.060 | 470.740 | 524.340 | 543.320 | 524.340 | 470.740 | 390.060 |
| 81 | 61.880 | 152.200 | 273.270 | 380.190 | 461.000 | 514.370 | 533.450 | 514.370 | 461.000 | 380.190 |
| 82 | 50.010 | 141.710 | 263.430 | 370.370 | 451.300 | 504.440 | 523.260 | 504.440 | 451.300 | 370.370 |
| 83 | 39.190 | 131.870 | 254.110 | 360.970 | 441.660 | 494.660 | 513.390 | 494.660 | 441.660 | 360.970 |
| 84 | 29.480 | 122.630 | 245.000 | 351.610 | 432.280 | 484.930 | 503.580 | 484.930 | 432.280 | 351.610 |
| 85 | 21.120 | 113.980 | 236.200 | 342.480 | 422.810 | 475.170 | 493.870 | 475.170 | 422.810 | 342.480 |
| 86 | 14.580 | 106.030 | 227.730 | 333.500 | 413.540 | 465.420 | 484.030 | 465.420 | 413.540 | 333.500 |
| 87 | 9.780 | 98.780 | 219.520 | 324.700 | 404.440 | 455.950 | 474.590 | 455.950 | 404.440 | 324.700 |
| 88 | 6.510 | 91.990 | 211.540 | 315.910 | 395.310 | 446.370 | 464.830 | 446.370 | 395.310 | 315.910 |
| 89 | 4.430 | 85.840 | 203.880 | 307.320 | 386.270 | 436.950 | 455.110 | 436.950 | 386.270 | 307.320 |
| 90 | 4.600 | 80.250 | 196.710 | 298.910 | 377.580 | 427.730 | 445.810 | 427.730 | 377.580 | 298.910 |

**Vert.
Angles**

Horizontal Angles

| | <u>150</u> | <u>165</u> | <u>180</u> | <u>195</u> | <u>210</u> | <u>225</u> | <u>240</u> | <u>255</u> | <u>270</u> | <u>285</u> |
|----|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0 | 1105.563 | 1105.563 | 1105.563 | 1105.563 | 1105.563 | 1105.563 | 1105.563 | 1105.563 | 1105.563 | 1105.563 |
| 1 | 1103.640 | 1102.670 | 1101.410 | 1102.670 | 1103.640 | 1106.510 | 1107.540 | 1108.060 | 1109.840 | 1108.060 |
| 2 | 1103.530 | 1101.810 | 1100.320 | 1101.810 | 1103.530 | 1106.110 | 1107.600 | 1108.120 | 1110.070 | 1108.120 |
| 3 | 1102.500 | 1100.310 | 1098.270 | 1100.310 | 1102.500 | 1105.760 | 1107.030 | 1107.600 | 1109.560 | 1107.600 |
| 4 | 1101.350 | 1098.640 | 1095.520 | 1098.640 | 1101.350 | 1104.500 | 1106.170 | 1107.030 | 1109.380 | 1107.030 |
| 5 | 1100.030 | 1096.570 | 1092.820 | 1096.570 | 1100.030 | 1103.640 | 1105.260 | 1106.620 | 1108.410 | 1106.620 |
| 6 | 1097.700 | 1093.580 | 1089.040 | 1093.580 | 1097.700 | 1101.620 | 1103.760 | 1105.010 | 1107.220 | 1105.010 |
| 7 | 1095.160 | 1090.200 | 1085.030 | 1090.200 | 1095.160 | 1099.780 | 1102.060 | 1103.630 | 1106.060 | 1103.630 |
| 8 | 1092.010 | 1086.720 | 1080.810 | 1086.720 | 1092.010 | 1097.080 | 1100.040 | 1101.850 | 1103.830 | 1101.850 |
| 9 | 1088.180 | 1082.340 | 1075.870 | 1082.340 | 1088.180 | 1094.310 | 1096.670 | 1099.650 | 1102.110 | 1099.650 |
| 10 | 1084.450 | 1077.790 | 1070.210 | 1077.790 | 1084.450 | 1091.030 | 1094.460 | 1097.340 | 1100.100 | 1097.340 |
| 11 | 1080.230 | 1072.460 | 1064.540 | 1072.460 | 1080.230 | 1087.220 | 1091.320 | 1094.270 | 1097.770 | 1094.270 |
| 12 | 1075.480 | 1067.360 | 1058.090 | 1067.360 | 1075.480 | 1083.560 | 1087.460 | 1091.360 | 1094.590 | 1091.360 |
| 13 | 1070.420 | 1061.150 | 1051.290 | 1061.150 | 1070.420 | 1078.840 | 1083.800 | 1088.430 | 1091.800 | 1088.430 |
| 14 | 1064.710 | 1054.830 | 1044.250 | 1054.830 | 1064.710 | 1073.660 | 1079.780 | 1084.850 | 1088.350 | 1084.850 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SLLED4HTMOWT50120-277V.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 15 | 1058.770 | 1047.970 | 1036.630 | 1047.970 | 1058.770 | 1069.120 | 1075.720 | 1080.990 | 1084.800 | 1080.990 |
| 16 | 1052.380 | 1040.700 | 1028.660 | 1040.700 | 1052.380 | 1063.510 | 1070.910 | 1077.330 | 1081.270 | 1077.330 |
| 17 | 1045.750 | 1033.320 | 1020.320 | 1033.320 | 1045.750 | 1058.000 | 1066.090 | 1072.870 | 1077.200 | 1072.870 |
| 18 | 1038.640 | 1025.080 | 1011.670 | 1025.080 | 1038.640 | 1051.490 | 1060.800 | 1068.620 | 1073.110 | 1068.620 |
| 19 | 1030.830 | 1016.630 | 1002.620 | 1016.630 | 1030.830 | 1045.430 | 1055.320 | 1063.970 | 1069.060 | 1063.970 |
| 20 | 1023.620 | 1007.600 | 992.840 | 1007.600 | 1023.620 | 1038.650 | 1049.540 | 1059.100 | 1064.300 | 1059.100 |
| 21 | 1015.410 | 998.360 | 982.940 | 998.360 | 1015.410 | 1031.490 | 1043.730 | 1054.110 | 1059.650 | 1054.110 |
| 22 | 1006.600 | 988.800 | 972.700 | 988.800 | 1006.600 | 1024.240 | 1037.770 | 1048.680 | 1054.840 | 1048.680 |
| 23 | 997.970 | 979.150 | 961.880 | 979.150 | 997.970 | 1016.850 | 1031.340 | 1043.100 | 1049.560 | 1043.100 |
| 24 | 988.700 | 968.730 | 950.530 | 968.730 | 988.700 | 1008.640 | 1024.380 | 1037.630 | 1043.710 | 1037.630 |
| 25 | 979.200 | 958.020 | 939.440 | 958.020 | 979.200 | 1000.450 | 1017.540 | 1031.630 | 1038.740 | 1031.630 |
| 26 | 969.300 | 947.060 | 927.860 | 947.060 | 969.300 | 992.000 | 1010.490 | 1025.560 | 1032.800 | 1025.560 |
| 27 | 959.710 | 935.840 | 915.740 | 935.840 | 959.710 | 983.330 | 1002.970 | 1019.380 | 1027.000 | 1019.380 |
| 28 | 948.700 | 924.360 | 903.350 | 924.360 | 948.700 | 974.410 | 995.720 | 1012.780 | 1020.890 | 1012.780 |
| 29 | 938.390 | 912.560 | 890.660 | 912.560 | 938.390 | 965.570 | 987.940 | 1006.160 | 1014.530 | 1006.160 |
| 30 | 927.600 | 900.330 | 877.620 | 900.330 | 927.600 | 956.210 | 980.130 | 999.560 | 1008.120 | 999.560 |
| 31 | 916.190 | 887.640 | 864.550 | 887.640 | 916.190 | 946.600 | 972.090 | 992.630 | 1001.920 | 992.630 |
| 32 | 904.730 | 874.950 | 851.080 | 874.950 | 904.730 | 936.690 | 963.900 | 985.440 | 995.100 | 985.440 |
| 33 | 893.580 | 861.970 | 837.260 | 861.970 | 893.580 | 926.770 | 955.510 | 978.070 | 987.900 | 978.070 |
| 34 | 881.480 | 849.000 | 823.560 | 849.000 | 881.480 | 916.580 | 946.830 | 970.790 | 981.090 | 970.790 |
| 35 | 869.340 | 835.550 | 809.150 | 835.550 | 869.340 | 906.420 | 938.120 | 963.050 | 973.850 | 963.050 |
| 36 | 857.150 | 821.710 | 794.630 | 821.710 | 857.150 | 896.030 | 929.330 | 955.090 | 966.280 | 955.090 |
| 37 | 844.740 | 807.610 | 779.920 | 807.610 | 844.740 | 885.030 | 920.380 | 947.450 | 958.450 | 947.450 |
| 38 | 832.200 | 793.470 | 765.340 | 793.470 | 832.200 | 874.470 | 910.970 | 939.630 | 951.170 | 939.630 |
| 39 | 819.420 | 779.100 | 749.930 | 779.100 | 819.420 | 863.540 | 901.560 | 931.000 | 943.390 | 931.000 |
| 40 | 806.470 | 764.750 | 734.850 | 764.750 | 806.470 | 852.220 | 892.270 | 922.670 | 935.030 | 922.670 |
| 41 | 793.420 | 749.830 | 719.090 | 749.830 | 793.420 | 841.100 | 882.860 | 914.440 | 927.000 | 914.440 |
| 42 | 779.990 | 735.090 | 703.580 | 735.090 | 779.990 | 829.920 | 873.110 | 905.580 | 918.820 | 905.580 |
| 43 | 766.450 | 719.960 | 687.740 | 719.960 | 766.450 | 818.620 | 863.180 | 896.700 | 910.250 | 896.700 |
| 44 | 753.160 | 704.610 | 671.690 | 704.610 | 753.160 | 806.740 | 853.000 | 887.910 | 901.830 | 887.910 |
| 45 | 739.790 | 689.640 | 655.840 | 689.640 | 739.790 | 795.220 | 843.350 | 878.600 | 893.030 | 878.600 |
| 46 | 726.000 | 674.060 | 639.400 | 674.060 | 726.000 | 783.280 | 832.540 | 869.750 | 884.310 | 869.750 |
| 47 | 712.190 | 658.390 | 622.730 | 658.390 | 712.190 | 771.520 | 822.510 | 860.340 | 875.130 | 860.340 |
| 48 | 698.640 | 642.790 | 606.340 | 642.790 | 698.640 | 759.670 | 812.020 | 851.040 | 866.200 | 851.040 |
| 49 | 684.470 | 626.960 | 589.640 | 626.960 | 684.470 | 747.650 | 801.630 | 841.230 | 856.670 | 841.230 |
| 50 | 670.670 | 610.990 | 573.050 | 610.990 | 670.670 | 735.870 | 791.240 | 831.700 | 847.580 | 831.700 |
| 51 | 656.420 | 594.980 | 555.730 | 594.980 | 656.420 | 723.570 | 780.280 | 821.800 | 837.860 | 821.800 |
| 52 | 642.830 | 579.040 | 539.180 | 579.040 | 642.830 | 711.670 | 770.110 | 812.320 | 828.610 | 812.320 |
| 53 | 628.610 | 562.950 | 521.670 | 562.950 | 628.610 | 699.430 | 759.130 | 802.510 | 818.920 | 802.510 |
| 54 | 614.750 | 546.760 | 504.370 | 546.760 | 614.750 | 687.460 | 748.360 | 792.380 | 809.270 | 792.380 |
| 55 | 600.480 | 530.620 | 487.510 | 530.620 | 600.480 | 675.290 | 737.660 | 782.080 | 799.540 | 782.080 |
| 56 | 586.420 | 514.230 | 469.860 | 514.230 | 586.420 | 663.150 | 726.700 | 772.150 | 789.810 | 772.150 |
| 57 | 572.660 | 498.090 | 452.560 | 498.090 | 572.660 | 650.960 | 715.710 | 761.980 | 779.400 | 761.980 |
| 58 | 558.840 | 481.940 | 435.120 | 481.940 | 558.840 | 638.930 | 704.800 | 751.710 | 769.410 | 751.710 |
| 59 | 544.970 | 465.490 | 417.520 | 465.490 | 544.970 | 626.840 | 693.990 | 741.580 | 759.530 | 741.580 |
| 60 | 530.930 | 449.250 | 399.910 | 449.250 | 530.930 | 614.540 | 683.050 | 731.110 | 749.210 | 731.110 |
| 61 | 517.170 | 433.300 | 382.380 | 433.300 | 517.170 | 602.680 | 671.890 | 720.800 | 739.190 | 720.800 |
| 62 | 503.420 | 417.050 | 364.810 | 417.050 | 503.420 | 590.540 | 661.180 | 710.380 | 728.720 | 710.380 |
| 63 | 489.790 | 400.920 | 347.380 | 400.920 | 489.790 | 578.440 | 649.930 | 699.940 | 718.300 | 699.940 |
| 64 | 476.130 | 385.190 | 329.730 | 385.190 | 476.130 | 566.630 | 639.000 | 689.260 | 708.110 | 689.260 |
| 65 | 463.090 | 369.210 | 311.980 | 369.210 | 463.090 | 554.750 | 628.010 | 678.930 | 697.580 | 678.930 |
| 66 | 449.480 | 353.280 | 294.540 | 353.280 | 449.480 | 543.040 | 617.160 | 668.490 | 687.360 | 668.490 |
| 67 | 436.530 | 337.950 | 277.210 | 337.950 | 436.530 | 531.420 | 606.250 | 658.120 | 676.770 | 658.120 |
| 68 | 423.640 | 322.660 | 259.680 | 322.660 | 423.640 | 519.820 | 595.430 | 647.540 | 666.360 | 647.540 |
| 69 | 410.790 | 310.690 | 242.650 | 310.690 | 410.790 | 508.220 | 584.840 | 637.090 | 656.020 | 637.090 |
| 70 | 397.980 | 298.700 | 225.460 | 298.700 | 397.980 | 496.810 | 573.620 | 626.560 | 645.580 | 626.560 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SLLED4HTMOWT50120-277V.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 71 | 385.580 | 283.660 | 208.870 | 283.660 | 385.580 | 485.440 | 563.370 | 616.110 | 635.300 | 616.110 |
| 72 | 373.370 | 268.710 | 192.090 | 268.710 | 373.370 | 474.230 | 552.500 | 605.640 | 624.860 | 605.640 |
| 73 | 361.190 | 254.080 | 175.610 | 254.080 | 361.190 | 463.120 | 541.880 | 595.250 | 614.410 | 595.250 |
| 74 | 349.230 | 239.930 | 159.590 | 239.930 | 349.230 | 452.450 | 531.580 | 584.890 | 604.280 | 584.890 |
| 75 | 337.630 | 226.040 | 146.130 | 226.040 | 337.630 | 441.600 | 521.080 | 574.700 | 594.060 | 574.700 |
| 76 | 326.230 | 212.590 | 132.680 | 212.590 | 326.230 | 430.870 | 510.740 | 564.630 | 583.850 | 564.630 |
| 77 | 315.070 | 199.500 | 117.350 | 199.500 | 315.070 | 420.450 | 500.500 | 554.520 | 573.660 | 554.520 |
| 78 | 304.280 | 186.880 | 102.530 | 186.880 | 304.280 | 410.000 | 490.650 | 544.570 | 563.550 | 544.570 |
| 79 | 293.570 | 174.750 | 88.270 | 174.750 | 293.570 | 399.930 | 480.630 | 534.470 | 553.230 | 534.470 |
| 80 | 283.290 | 163.310 | 74.730 | 163.310 | 283.290 | 390.060 | 470.740 | 524.340 | 543.320 | 524.340 |
| 81 | 273.270 | 152.200 | 61.880 | 152.200 | 273.270 | 380.190 | 461.000 | 514.370 | 533.450 | 514.370 |
| 82 | 263.430 | 141.710 | 50.010 | 141.710 | 263.430 | 370.370 | 451.300 | 504.440 | 523.260 | 504.440 |
| 83 | 254.110 | 131.870 | 39.190 | 131.870 | 254.110 | 360.970 | 441.660 | 494.660 | 513.390 | 494.660 |
| 84 | 245.000 | 122.630 | 29.480 | 122.630 | 245.000 | 351.610 | 432.280 | 484.930 | 503.580 | 484.930 |
| 85 | 236.200 | 113.980 | 21.120 | 113.980 | 236.200 | 342.480 | 422.810 | 475.170 | 493.870 | 475.170 |
| 86 | 227.730 | 106.030 | 14.580 | 106.030 | 227.730 | 333.500 | 413.540 | 465.420 | 484.030 | 465.420 |
| 87 | 219.520 | 98.780 | 9.780 | 98.780 | 219.520 | 324.700 | 404.440 | 455.950 | 474.590 | 455.950 |
| 88 | 211.540 | 91.990 | 6.510 | 91.990 | 211.540 | 315.910 | 395.310 | 446.370 | 464.830 | 446.370 |
| 89 | 203.880 | 85.840 | 4.430 | 85.840 | 203.880 | 307.320 | 386.270 | 436.950 | 455.110 | 436.950 |
| 90 | 196.710 | 80.250 | 4.600 | 80.250 | 196.710 | 298.910 | 377.580 | 427.730 | 445.810 | 427.730 |

Vert. Angles **Horizontal Angles**

| | <u>300</u> | <u>315</u> | <u>330</u> | <u>345</u> | <u>360</u> |
|----|------------|------------|------------|------------|------------|
| 0 | 1105.563 | 1105.563 | 1105.563 | 1105.563 | 1105.563 |
| 1 | 1107.540 | 1106.510 | 1103.640 | 1102.670 | 1101.410 |
| 2 | 1107.600 | 1106.110 | 1103.530 | 1101.810 | 1100.320 |
| 3 | 1107.030 | 1105.760 | 1102.500 | 1100.310 | 1098.270 |
| 4 | 1106.170 | 1104.500 | 1101.350 | 1098.640 | 1095.520 |
| 5 | 1105.260 | 1103.640 | 1100.030 | 1096.570 | 1092.820 |
| 6 | 1103.760 | 1101.620 | 1097.700 | 1093.580 | 1089.040 |
| 7 | 1102.060 | 1099.780 | 1095.160 | 1090.200 | 1085.030 |
| 8 | 1100.040 | 1097.080 | 1092.010 | 1086.720 | 1080.810 |
| 9 | 1096.670 | 1094.310 | 1088.180 | 1082.340 | 1075.870 |
| 10 | 1094.460 | 1091.030 | 1084.450 | 1077.790 | 1070.210 |
| 11 | 1091.320 | 1087.220 | 1080.230 | 1072.460 | 1064.540 |
| 12 | 1087.460 | 1083.560 | 1075.480 | 1067.360 | 1058.090 |
| 13 | 1083.800 | 1078.840 | 1070.420 | 1061.150 | 1051.290 |
| 14 | 1079.780 | 1073.660 | 1064.710 | 1054.830 | 1044.250 |
| 15 | 1075.720 | 1069.120 | 1058.770 | 1047.970 | 1036.630 |
| 16 | 1070.910 | 1063.510 | 1052.380 | 1040.700 | 1028.660 |
| 17 | 1066.090 | 1058.000 | 1045.750 | 1033.320 | 1020.320 |
| 18 | 1060.800 | 1051.490 | 1038.640 | 1025.080 | 1011.670 |
| 19 | 1055.320 | 1045.430 | 1030.830 | 1016.630 | 1002.620 |
| 20 | 1049.540 | 1038.650 | 1023.620 | 1007.600 | 992.840 |
| 21 | 1043.730 | 1031.490 | 1015.410 | 998.360 | 982.940 |
| 22 | 1037.770 | 1024.240 | 1006.600 | 988.800 | 972.700 |
| 23 | 1031.340 | 1016.850 | 997.970 | 979.150 | 961.880 |
| 24 | 1024.380 | 1008.640 | 988.700 | 968.730 | 950.530 |
| 25 | 1017.540 | 1000.450 | 979.200 | 958.020 | 939.440 |
| 26 | 1010.490 | 992.000 | 969.300 | 947.060 | 927.860 |
| 27 | 1002.970 | 983.330 | 959.710 | 935.840 | 915.740 |
| 28 | 995.720 | 974.410 | 948.700 | 924.360 | 903.350 |
| 29 | 987.940 | 965.570 | 938.390 | 912.560 | 890.660 |
| 30 | 980.130 | 956.210 | 927.600 | 900.330 | 877.620 |
| 31 | 972.090 | 946.600 | 916.190 | 887.640 | 864.550 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SLLED4HTMOWT50120-277V.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|----|---------|---------|---------|---------|---------|
| 32 | 963.900 | 936.690 | 904.730 | 874.950 | 851.080 |
| 33 | 955.510 | 926.770 | 893.580 | 861.970 | 837.260 |
| 34 | 946.830 | 916.580 | 881.480 | 849.000 | 823.560 |
| 35 | 938.120 | 906.420 | 869.340 | 835.550 | 809.150 |
| 36 | 929.330 | 896.030 | 857.150 | 821.710 | 794.630 |
| 37 | 920.380 | 885.030 | 844.740 | 807.610 | 779.920 |
| 38 | 910.970 | 874.470 | 832.200 | 793.470 | 765.340 |
| 39 | 901.560 | 863.540 | 819.420 | 779.100 | 749.930 |
| 40 | 892.270 | 852.220 | 806.470 | 764.750 | 734.850 |
| 41 | 882.860 | 841.100 | 793.420 | 749.830 | 719.090 |
| 42 | 873.110 | 829.920 | 779.990 | 735.090 | 703.580 |
| 43 | 863.180 | 818.620 | 766.450 | 719.960 | 687.740 |
| 44 | 853.000 | 806.740 | 753.160 | 704.610 | 671.690 |
| 45 | 843.350 | 795.220 | 739.790 | 689.640 | 655.840 |
| 46 | 832.540 | 783.280 | 726.000 | 674.060 | 639.400 |
| 47 | 822.510 | 771.520 | 712.190 | 658.390 | 622.730 |
| 48 | 812.020 | 759.670 | 698.640 | 642.790 | 606.340 |
| 49 | 801.630 | 747.650 | 684.470 | 626.960 | 589.640 |
| 50 | 791.240 | 735.870 | 670.670 | 610.990 | 573.050 |
| 51 | 780.280 | 723.570 | 656.420 | 594.980 | 555.730 |
| 52 | 770.110 | 711.670 | 642.830 | 579.040 | 539.180 |
| 53 | 759.130 | 699.430 | 628.610 | 562.950 | 521.670 |
| 54 | 748.360 | 687.460 | 614.750 | 546.760 | 504.370 |
| 55 | 737.660 | 675.290 | 600.480 | 530.620 | 487.510 |
| 56 | 726.700 | 663.150 | 586.420 | 514.230 | 469.860 |
| 57 | 715.710 | 650.960 | 572.660 | 498.090 | 452.560 |
| 58 | 704.800 | 638.930 | 558.840 | 481.940 | 435.120 |
| 59 | 693.990 | 626.840 | 544.970 | 465.490 | 417.520 |
| 60 | 683.050 | 614.540 | 530.930 | 449.250 | 399.910 |
| 61 | 671.890 | 602.680 | 517.170 | 433.300 | 382.380 |
| 62 | 661.180 | 590.540 | 503.420 | 417.050 | 364.810 |
| 63 | 649.930 | 578.440 | 489.790 | 400.920 | 347.380 |
| 64 | 639.000 | 566.630 | 476.130 | 385.190 | 329.730 |
| 65 | 628.010 | 554.750 | 463.090 | 369.210 | 311.980 |
| 66 | 617.160 | 543.040 | 449.480 | 353.280 | 294.540 |
| 67 | 606.250 | 531.420 | 436.530 | 337.950 | 277.210 |
| 68 | 595.430 | 519.820 | 423.640 | 322.660 | 259.680 |
| 69 | 584.840 | 508.220 | 410.790 | 310.690 | 242.650 |
| 70 | 573.620 | 496.810 | 397.980 | 298.700 | 225.460 |
| 71 | 563.370 | 485.440 | 385.580 | 283.660 | 208.870 |
| 72 | 552.500 | 474.230 | 373.370 | 268.710 | 192.090 |
| 73 | 541.880 | 463.120 | 361.190 | 254.080 | 175.610 |
| 74 | 531.580 | 452.450 | 349.230 | 239.930 | 159.590 |
| 75 | 521.080 | 441.600 | 337.630 | 226.040 | 146.130 |
| 76 | 510.740 | 430.870 | 326.230 | 212.590 | 132.680 |
| 77 | 500.500 | 420.450 | 315.070 | 199.500 | 117.350 |
| 78 | 490.650 | 410.000 | 304.280 | 186.880 | 102.530 |
| 79 | 480.630 | 399.930 | 293.570 | 174.750 | 88.270 |
| 80 | 470.740 | 390.060 | 283.290 | 163.310 | 74.730 |
| 81 | 461.000 | 380.190 | 273.270 | 152.200 | 61.880 |
| 82 | 451.300 | 370.370 | 263.430 | 141.710 | 50.010 |
| 83 | 441.660 | 360.970 | 254.110 | 131.870 | 39.190 |
| 84 | 432.280 | 351.610 | 245.000 | 122.630 | 29.480 |
| 85 | 422.810 | 342.480 | 236.200 | 113.980 | 21.120 |
| 86 | 413.540 | 333.500 | 227.730 | 106.030 | 14.580 |
| 87 | 404.440 | 324.700 | 219.520 | 98.780 | 9.780 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SLLED4HTMOWT50120-277V.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-----------|---------|---------|---------|--------|-------|
| 88 | 395.310 | 315.910 | 211.540 | 91.990 | 6.510 |
| 89 | 386.270 | 307.320 | 203.880 | 85.840 | 4.430 |
| 90 | 377.580 | 298.910 | 196.710 | 80.250 | 4.600 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SLLED4HTMOWT50120-277V.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|--------|--------|
| 0-20 | 405.58 | 40.60 | 10.30 |
| 0-30 | 864.89 | 86.50 | 22.00 |
| 0-40 | 1428.82 | 142.90 | 36.30 |
| 0-60 | 2628.67 | 262.90 | 66.90 |
| 0-80 | 3593.46 | 359.30 | 91.40 |
| 0-90 | 3931.00 | 393.10 | 100.00 |
| 10-90 | 3826.25 | 382.60 | 97.30 |
| 20-40 | 1023.24 | 102.30 | 26.00 |
| 20-50 | 1630.81 | 163.10 | 41.50 |
| 40-70 | 1728.58 | 172.90 | 44.00 |
| 60-80 | 964.80 | 96.50 | 24.50 |
| 70-80 | 436.06 | 43.60 | 11.10 |
| 80-90 | 337.54 | 33.80 | 8.60 |
| 90-110 | 0.00 | 0.00 | 0.00 |
| 90-120 | 0.00 | 0.00 | 0.00 |
| 90-130 | 0.00 | 0.00 | 0.00 |
| 90-150 | 0.00 | 0.00 | 0.00 |
| 90-180 | 0.00 | 0.00 | 0.00 |
| 110-180 | 0.00 | 0.00 | 0.00 |
| 0-180 | 3931.00 | 393.10 | 100.00 |

Total Luminaire Efficiency = 393.10%

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 104.75 |
| 10-20 | 300.83 |
| 20-30 | 459.32 |
| 30-40 | 563.92 |
| 40-50 | 607.57 |
| 50-60 | 592.28 |
| 60-70 | 528.73 |
| 70-80 | 436.06 |
| 80-90 | 337.54 |
| 90-100 | 0.00 |
| 100-110 | 0.00 |
| 110-120 | 0.00 |
| 120-130 | 0.00 |
| 130-140 | 0.00 |
| 140-150 | 0.00 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

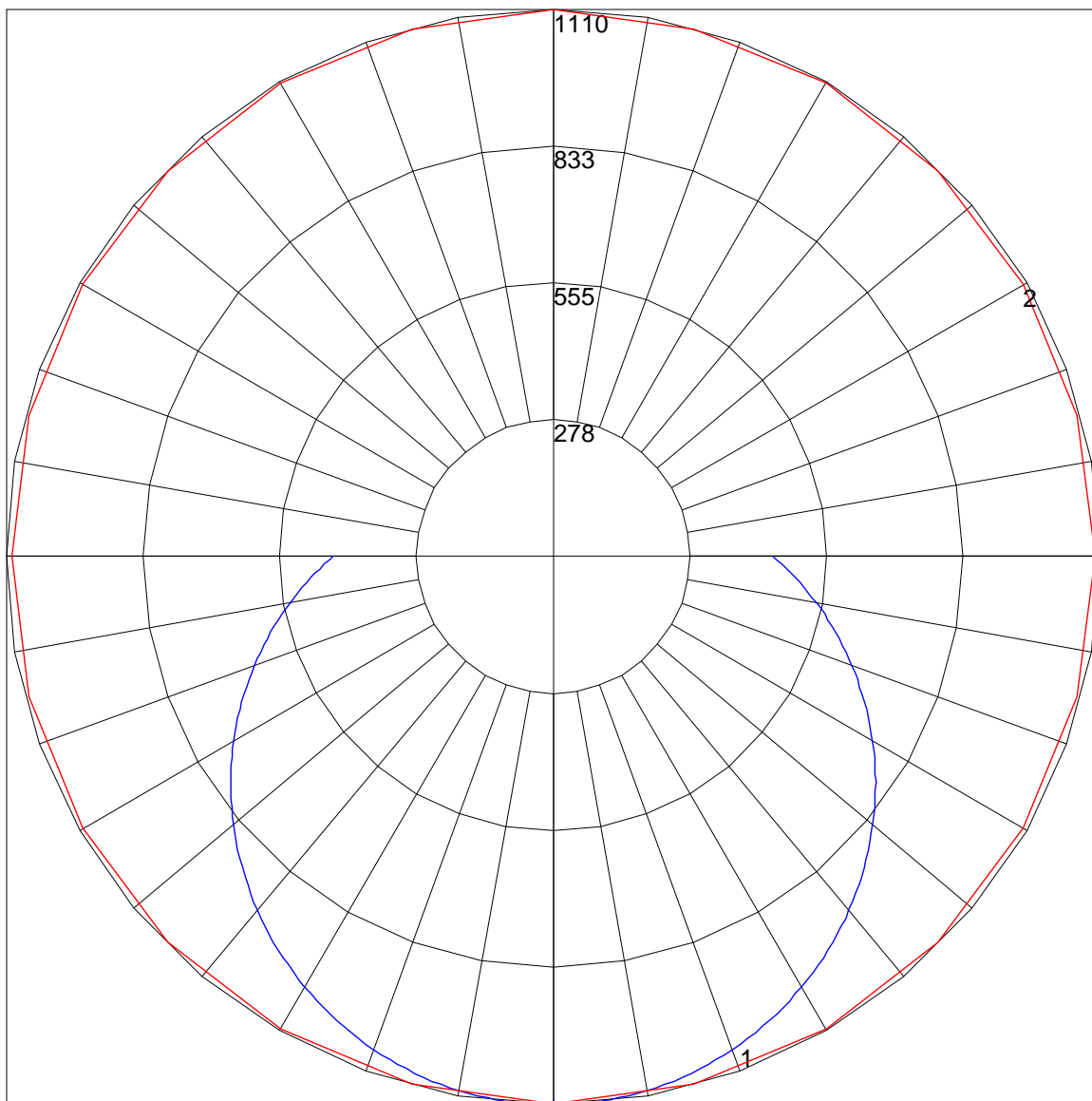
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SLLED4HTMOWT50120-277V.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 468 | 468 | 468 | 468 | 457 | 457 | 457 | 457 | 437 | 437 | 437 | 418 | 418 | 418 | 401 | 401 | 401 | 393 |
| 1 | 414 | 389 | 367 | 347 | 402 | 380 | 360 | 341 | 362 | 346 | 330 | 347 | 333 | 320 | 332 | 321 | 310 | 301 |
| 2 | 371 | 332 | 300 | 273 | 360 | 325 | 295 | 270 | 310 | 285 | 263 | 297 | 275 | 257 | 284 | 266 | 251 | 241 |
| 3 | 336 | 288 | 251 | 222 | 326 | 282 | 248 | 220 | 270 | 240 | 216 | 258 | 233 | 212 | 248 | 226 | 208 | 198 |
| 4 | 306 | 254 | 215 | 185 | 297 | 248 | 212 | 184 | 238 | 206 | 181 | 228 | 201 | 178 | 219 | 195 | 176 | 166 |
| 5 | 281 | 225 | 187 | 158 | 272 | 221 | 184 | 157 | 212 | 180 | 155 | 204 | 175 | 153 | 196 | 171 | 151 | 142 |
| 6 | 259 | 202 | 164 | 137 | 251 | 198 | 162 | 136 | 191 | 159 | 135 | 184 | 155 | 133 | 177 | 152 | 132 | 123 |
| 7 | 240 | 183 | 146 | 120 | 233 | 180 | 144 | 120 | 173 | 142 | 119 | 167 | 139 | 118 | 162 | 136 | 117 | 108 |
| 8 | 223 | 167 | 131 | 107 | 217 | 164 | 130 | 106 | 158 | 127 | 105 | 153 | 125 | 105 | 148 | 123 | 104 | 96 |
| 9 | 208 | 153 | 119 | 96 | 202 | 150 | 118 | 95 | 146 | 116 | 95 | 141 | 114 | 94 | 137 | 112 | 94 | 86 |
| 10 | 195 | 141 | 108 | 86 | 190 | 139 | 107 | 86 | 135 | 106 | 86 | 131 | 104 | 85 | 127 | 103 | 85 | 78 |

POLAR GRAPH



Maximum Candela = 1110.07 Located At Horizontal Angle = 90, Vertical Angle = 2
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)