

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P395901

Luminaire Tested: **I3-WL-50L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395901  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-WL-50L93050-1D-UNV-W2A-W-4 (3000K)  
Description: CORELITE I3, DOWNLIGHT TRAY  
5000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3744.6 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.32  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Direct

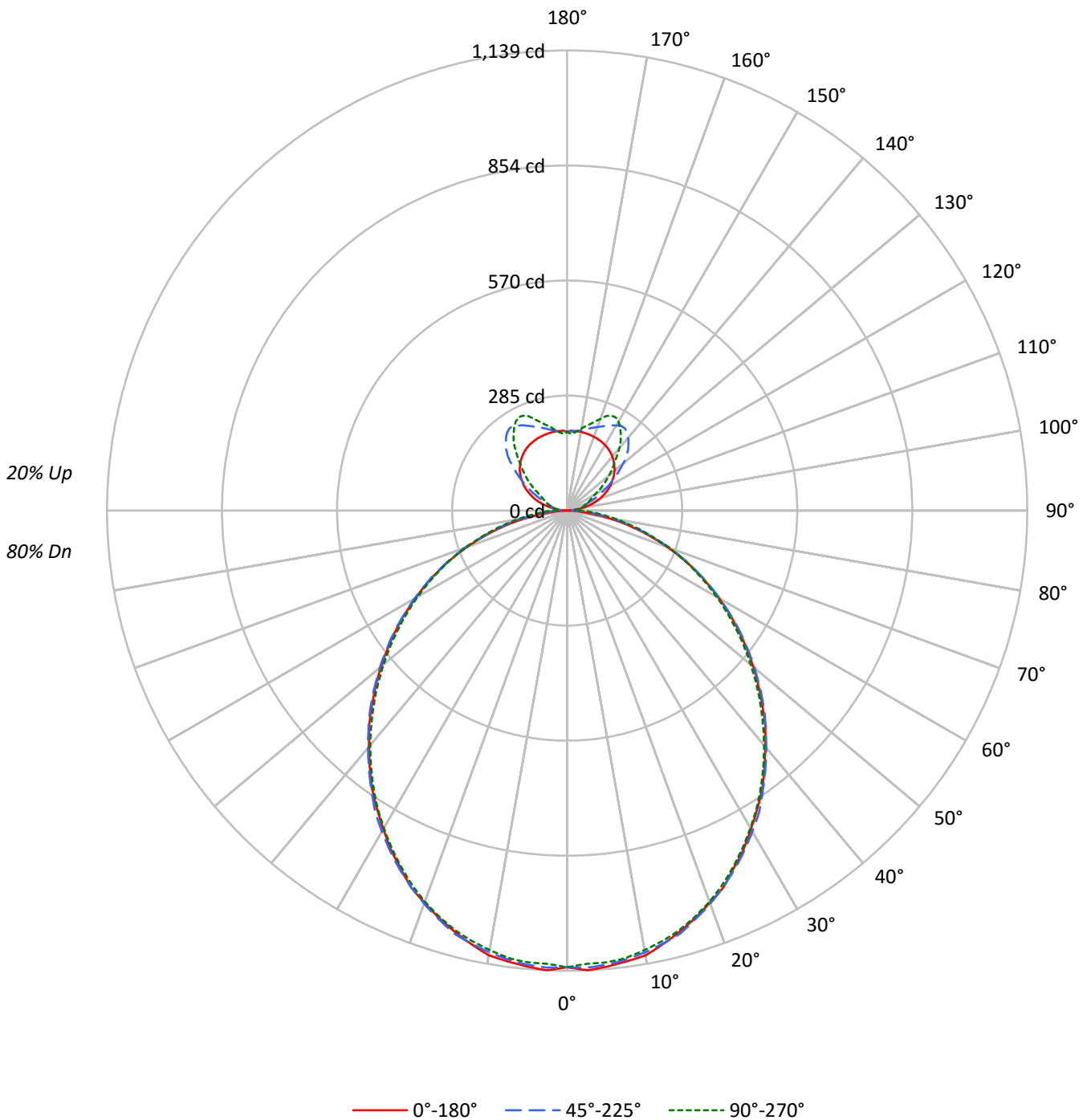
Input Watts (W): 51.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395901

CATALOG NUMBER: I3-WL-50L93050-1D-UNV-W2A-W-4 (3000K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395901

CATALOG NUMBER: I3-WL-50L93050-1D-UNV-W2A-W-4 (3000K)

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|---|
| RF  | 20  |     |     |     |     | 20  |     |     |     |     | 20  |    |    |    |    | 20 |    |    |    |    | 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 | 50 | 30 | 10 | 0  |   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |   |
| 0   | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 109 | 100 | 100 | 100 | 91 | 91 | 91 | 83 | 83 | 83 | 80 |    |    |    |   |
| 1   | 104 | 100 | 96  | 92  | 99  | 95  | 92  | 88  | 87  | 85  | 82  | 80 | 78 | 76 | 73 | 72 | 70 | 67 |    |    |    |   |
| 2   | 95  | 87  | 80  | 75  | 90  | 83  | 78  | 73  | 77  | 72  | 68  | 70 | 67 | 63 | 65 | 62 | 59 | 56 |    |    |    |   |
| 3   | 87  | 77  | 69  | 62  | 82  | 73  | 66  | 61  | 68  | 62  | 57  | 62 | 57 | 53 | 57 | 53 | 50 | 47 |    |    |    |   |
| 4   | 79  | 68  | 59  | 53  | 75  | 65  | 57  | 52  | 60  | 54  | 49  | 55 | 50 | 46 | 51 | 47 | 43 | 40 |    |    |    |   |
| 5   | 73  | 61  | 52  | 46  | 69  | 58  | 50  | 44  | 54  | 47  | 42  | 50 | 44 | 40 | 46 | 41 | 38 | 35 |    |    |    |   |
| 6   | 67  | 55  | 46  | 40  | 64  | 53  | 45  | 39  | 49  | 42  | 37  | 45 | 39 | 35 | 42 | 37 | 33 | 31 |    |    |    |   |
| 7   | 62  | 49  | 41  | 35  | 59  | 48  | 40  | 34  | 44  | 38  | 33  | 41 | 35 | 31 | 38 | 33 | 30 | 27 |    |    |    |   |
| 8   | 58  | 45  | 37  | 31  | 55  | 43  | 36  | 31  | 41  | 34  | 29  | 38 | 32 | 28 | 35 | 30 | 26 | 24 |    |    |    |   |
| 9   | 54  | 41  | 33  | 28  | 52  | 40  | 33  | 27  | 37  | 31  | 26  | 35 | 29 | 25 | 32 | 28 | 24 | 22 |    |    |    |   |
| 10  | 51  | 38  | 30  | 25  | 49  | 37  | 30  | 25  | 34  | 28  | 24  | 32 | 27 | 23 | 30 | 25 | 22 | 20 |    |    |    |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 6213 | 6213 | 6213 |
| 5°  | 6229 | 6084 | 6018 |
| 10° | 6193 | 5919 | 5822 |
| 15° | 6068 | 5755 | 5615 |
| 20° | 5948 | 5523 | 5372 |
| 25° | 5806 | 5289 | 5104 |
| 30° | 5639 | 5046 | 4830 |
| 35° | 5483 | 4777 | 4547 |
| 40° | 5287 | 4499 | 4252 |
| 45° | 5098 | 4228 | 3942 |
| 50° | 4895 | 3931 | 3628 |
| 55° | 4682 | 3627 | 3309 |
| 60° | 4444 | 3290 | 2979 |
| 65° | 4171 | 2923 | 2626 |
| 70° | 3784 | 2496 | 2254 |
| 75° | 3260 | 1978 | 1809 |
| 80° | 2486 | 1424 | 1351 |
| 85° | 1298 | 851  | 915  |



TEST NUMBER: P395901

CATALOG NUMBER: I3-WL-50L93050-1D-UNV-W2A-W-4 (3000K)

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 106.8  | 2.9       |
| 10°-20°   | 302.9  | 8.1       |
| 20°-30°   | 448.5  | 12.0      |
| 30°-40°   | 524.2  | 14.0      |
| 40°-50°   | 526.5  | 14.1      |
| 50°-60°   | 462.8  | 12.4      |
| 60°-70°   | 346.7  | 9.3       |
| 70°-80°   | 197.2  | 5.3       |
| 80°-90°   | 62.3   | 1.7       |
| 90°-100°  | 22.4   | 0.6       |
| 100°-110° | 54.7   | 1.5       |
| 110°-120° | 90.9   | 2.4       |
| 120°-130° | 127.5  | 3.4       |
| 130°-140° | 146.9  | 3.9       |
| 140°-150° | 140.3  | 3.7       |
| 150°-160° | 105.5  | 2.8       |
| 160°-170° | 59.7   | 1.6       |
| 170°-180° | 18.9   | 0.5       |
| 0°-30°    | 858.2  | 22.9      |
| 0°-40°    | 1382.4 | 36.9      |
| 0°-60°    | 2371.7 | 63.3      |
| 0°-90°    | 2977.8 | 79.5      |
| 90°-120°  | 168.0  | 4.5       |
| 90°-150°  | 582.6  | 15.6      |
| 90°-180°  | 767.0  | 20.5      |
| 0°-180°   | 3744.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1130 | 1130  | 1130 | 1130  | 1130 |      |
| 5°   | 1133 | 1122  | 1128 | 1124  | 1123 | 108  |
| 15°  | 1079 | 1069  | 1083 | 1076  | 1075 | 304  |
| 25°  | 976  | 974   | 980  | 976   | 972  | 450  |
| 35°  | 842  | 835   | 844  | 838   | 836  | 525  |
| 45°  | 684  | 683   | 688  | 681   | 676  | 528  |
| 55°  | 518  | 520   | 522  | 515   | 510  | 463  |
| 65°  | 350  | 351   | 353  | 350   | 346  | 346  |
| 75°  | 178  | 181   | 186  | 191   | 191  | 188  |
| 85°  | 31   | 40    | 54   | 67    | 70   | 40   |
| 90°  | 1    | 6     | 17   | 26    | 30   | 3    |
| 95°  | 16   | 16    | 16   | 18    | 19   | 18   |
| 105° | 64   | 54    | 41   | 43    | 44   | 67   |
| 115° | 105  | 131   | 80   | 65    | 64   | 104  |
| 125° | 139  | 191   | 144  | 116   | 107  | 124  |
| 135° | 164  | 208   | 213  | 177   | 164  | 127  |
| 145° | 182  | 206   | 249  | 238   | 231  | 114  |
| 155° | 191  | 203   | 231  | 255   | 259  | 88   |
| 165° | 196  | 199   | 210  | 219   | 222  | 56   |
| 175° | 198  | 196   | 196  | 196   | 193  | 19   |
| 180° | 195  | 195   | 195  | 195   | 195  |      |



TEST NUMBER: P395901

CATALOG NUMBER: I3-WL-50L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1130.3 | 1130.3 | 1130.3 | 1130.3 | 1130.3 | 1130.3 | 1130.3 | 1130.3 | 1130.3 | 1130.3 | 1130.3 |
| 2.5°   | 1138.9 | 1137.0 | 1132.2 | 1127.4 | 1126.5 | 1125.5 | 1125.5 | 1124.5 | 1124.5 | 1126.5 | 1132.2 |
| 5°     | 1133.2 | 1132.2 | 1127.4 | 1122.6 | 1121.7 | 1121.7 | 1120.7 | 1120.7 | 1120.7 | 1122.6 | 1128.4 |
| 7.5°   | 1125.5 | 1123.6 | 1118.8 | 1114.0 | 1113.1 | 1113.1 | 1113.1 | 1112.1 | 1113.1 | 1114.0 | 1120.7 |
| 10°    | 1117.9 | 1116.9 | 1112.1 | 1106.4 | 1104.5 | 1104.5 | 1103.5 | 1101.6 | 1101.6 | 1103.5 | 1110.2 |
| 12.5°  | 1098.7 | 1097.8 | 1093.0 | 1089.2 | 1089.2 | 1090.1 | 1090.1 | 1091.1 | 1091.1 | 1093.0 | 1097.8 |
| 15°    | 1078.6 | 1077.7 | 1072.9 | 1069.1 | 1069.1 | 1069.1 | 1068.1 | 1068.1 | 1069.1 | 1074.8 | 1083.4 |
| 17.5°  | 1056.7 | 1055.7 | 1051.9 | 1048.0 | 1048.0 | 1048.0 | 1047.1 | 1047.1 | 1048.0 | 1050.9 | 1059.5 |
| 20°    | 1032.7 | 1031.8 | 1028.0 | 1024.1 | 1024.1 | 1024.1 | 1023.2 | 1024.1 | 1024.1 | 1028.0 | 1035.6 |
| 22.5°  | 1009.8 | 1007.9 | 1003.1 | 999.3  | 997.4  | 997.4  | 997.4  | 996.4  | 998.3  | 1001.2 | 1008.8 |
| 25°    | 976.3  | 975.4  | 973.5  | 970.6  | 972.5  | 973.5  | 971.5  | 969.6  | 969.6  | 973.5  | 980.2  |
| 27.5°  | 945.7  | 943.8  | 940.9  | 938.1  | 936.2  | 937.1  | 938.1  | 940.0  | 942.9  | 943.8  | 949.6  |
| 30°    | 910.3  | 909.4  | 906.5  | 902.7  | 903.7  | 904.6  | 904.6  | 904.6  | 906.5  | 915.1  | 917.0  |
| 32.5°  | 875.9  | 875.0  | 872.1  | 868.3  | 869.2  | 870.2  | 869.2  | 870.2  | 872.1  | 875.9  | 884.5  |
| 35°    | 841.5  | 839.6  | 836.7  | 835.8  | 834.8  | 834.8  | 834.8  | 835.8  | 836.7  | 839.6  | 844.4  |
| 37.5°  | 802.3  | 800.4  | 798.5  | 795.6  | 797.5  | 799.4  | 800.4  | 799.4  | 800.4  | 804.2  | 806.1  |
| 40°    | 763.1  | 762.1  | 760.2  | 758.3  | 759.3  | 760.2  | 759.3  | 762.1  | 764.0  | 766.0  | 766.9  |
| 42.5°  | 725.8  | 723.9  | 722.0  | 721.0  | 721.0  | 722.0  | 722.0  | 723.9  | 723.9  | 728.7  | 727.7  |
| 45°    | 683.7  | 682.8  | 681.8  | 681.8  | 682.8  | 682.8  | 682.8  | 683.7  | 684.7  | 687.5  | 688.5  |
| 47.5°  | 642.6  | 641.6  | 641.6  | 641.6  | 641.6  | 642.6  | 643.6  | 646.4  | 644.5  | 645.5  | 646.4  |
| 50°    | 601.5  | 600.5  | 600.5  | 600.5  | 602.4  | 602.4  | 604.3  | 605.3  | 606.3  | 604.3  | 605.3  |
| 52.5°  | 559.4  | 558.4  | 560.4  | 560.4  | 562.3  | 562.3  | 565.1  | 562.3  | 564.2  | 563.2  | 563.2  |
| 55°    | 518.3  | 517.3  | 519.2  | 518.3  | 520.2  | 520.2  | 522.1  | 523.1  | 522.1  | 522.1  | 522.1  |
| 57.5°  | 476.2  | 475.3  | 476.2  | 477.2  | 478.1  | 478.1  | 481.0  | 481.0  | 478.1  | 480.0  | 479.1  |
| 60°    | 434.1  | 433.2  | 434.1  | 435.1  | 436.0  | 436.0  | 437.0  | 435.1  | 437.0  | 438.0  | 437.0  |
| 62.5°  | 392.1  | 391.1  | 393.0  | 392.1  | 393.0  | 394.0  | 394.0  | 396.8  | 395.9  | 395.9  | 394.9  |
| 65°    | 350.0  | 349.0  | 349.0  | 349.0  | 350.0  | 350.9  | 351.9  | 352.9  | 352.9  | 353.8  | 352.9  |
| 67.5°  | 307.0  | 306.0  | 307.0  | 306.0  | 307.0  | 307.9  | 309.8  | 310.8  | 310.8  | 311.7  | 310.8  |
| 70°    | 263.0  | 263.9  | 263.0  | 263.9  | 264.9  | 265.8  | 266.8  | 268.7  | 268.7  | 268.7  | 268.7  |
| 72.5°  | 219.9  | 219.0  | 219.0  | 218.0  | 219.9  | 220.9  | 221.8  | 224.7  | 224.7  | 225.7  | 225.7  |
| 75°    | 177.9  | 175.9  | 176.9  | 175.9  | 179.8  | 180.7  | 180.7  | 183.6  | 184.6  | 186.5  | 185.5  |
| 77.5°  | 136.7  | 136.7  | 134.8  | 137.7  | 138.7  | 140.6  | 142.5  | 144.4  | 145.3  | 148.2  | 148.2  |
| 80°    | 97.5   | 97.5   | 96.6   | 98.5   | 102.3  | 103.3  | 106.1  | 107.1  | 110.0  | 111.9  | 112.8  |
| 82.5°  | 62.2   | 62.2   | 62.2   | 65.0   | 67.9   | 68.8   | 71.7   | 74.6   | 76.5   | 79.4   | 80.3   |
| 85°    | 30.6   | 32.5   | 32.5   | 36.3   | 38.2   | 40.2   | 41.1   | 44.9   | 47.8   | 51.6   | 54.5   |
| 87.5°  | 9.6    | 10.5   | 11.5   | 13.4   | 17.2   | 18.2   | 20.1   | 23.9   | 26.8   | 30.6   | 33.5   |
| 90°    | 1.0    | 1.0    | 1.9    | 2.9    | 4.8    | 5.7    | 7.6    | 9.6    | 12.4   | 15.3   | 17.2   |
| 92.5°  | 6.7    | 6.7    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 8.6    | 9.6    | 11.5   | 12.4   |
| 95°    | 16.3   | 25.8   | 15.3   | 14.3   | 16.3   | 16.3   | 17.2   | 16.3   | 16.3   | 16.3   | 16.3   |
| 97.5°  | 26.8   | 47.8   | 31.6   | 22.0   | 21.0   | 22.0   | 22.0   | 23.9   | 24.9   | 25.8   | 25.8   |
| 100°   | 39.2   | 60.2   | 55.5   | 36.3   | 29.6   | 28.7   | 28.7   | 28.7   | 29.6   | 30.6   | 31.6   |
| 102.5° | 51.6   | 68.8   | 79.4   | 56.4   | 42.1   | 38.2   | 36.3   | 35.4   | 34.4   | 35.4   | 35.4   |
| 105°   | 64.1   | 77.5   | 97.5   | 76.5   | 60.2   | 54.5   | 48.8   | 42.1   | 41.1   | 41.1   | 41.1   |
| 107.5° | 75.5   | 86.1   | 110.9  | 99.4   | 78.4   | 72.7   | 66.0   | 55.5   | 48.8   | 47.8   | 46.9   |
| 110°   | 86.1   | 94.7   | 120.5  | 118.6  | 98.5   | 89.9   | 84.1   | 72.7   | 63.1   | 56.4   | 53.5   |



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CATALOG NUMBER: I3-WL-50L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 95.6  | 103.3 | 127.2 | 134.8 | 120.5 | 110.0 | 101.4 | 89.9  | 79.4  | 70.8  | 64.1  |
| 115°   | 105.2 | 111.9 | 132.9 | 148.2 | 139.6 | 131.0 | 121.4 | 107.1 | 96.6  | 88.0  | 80.3  |
| 117.5° | 114.7 | 120.5 | 138.7 | 157.8 | 155.9 | 150.1 | 142.5 | 125.3 | 112.8 | 104.2 | 95.6  |
| 120°   | 123.4 | 129.1 | 144.4 | 164.5 | 170.2 | 165.4 | 160.6 | 145.3 | 130.0 | 120.5 | 112.8 |
| 122.5° | 131.0 | 135.8 | 150.1 | 170.2 | 180.7 | 179.8 | 175.0 | 164.5 | 149.2 | 137.7 | 128.1 |
| 125°   | 138.7 | 143.4 | 155.9 | 174.0 | 188.4 | 191.2 | 189.3 | 180.7 | 169.3 | 155.9 | 144.4 |
| 127.5° | 146.3 | 150.1 | 161.6 | 177.9 | 194.1 | 199.9 | 200.8 | 195.1 | 186.5 | 175.0 | 162.6 |
| 130°   | 153.0 | 156.8 | 166.4 | 180.7 | 197.9 | 204.6 | 208.5 | 207.5 | 200.8 | 193.2 | 180.7 |
| 132.5° | 158.7 | 161.6 | 171.2 | 183.6 | 199.9 | 207.5 | 213.2 | 218.0 | 213.2 | 207.5 | 198.9 |
| 135°   | 164.5 | 167.3 | 175.0 | 186.5 | 200.8 | 208.5 | 216.1 | 223.8 | 224.7 | 219.9 | 213.2 |
| 137.5° | 169.3 | 171.2 | 178.8 | 188.4 | 200.8 | 208.5 | 216.1 | 226.6 | 232.4 | 230.5 | 224.7 |
| 140°   | 174.0 | 175.9 | 181.7 | 191.2 | 201.8 | 208.5 | 215.2 | 227.6 | 235.2 | 238.1 | 235.2 |
| 142.5° | 177.9 | 179.8 | 184.6 | 193.2 | 201.8 | 207.5 | 214.2 | 225.7 | 236.2 | 241.9 | 243.8 |
| 145°   | 181.7 | 182.6 | 187.4 | 194.1 | 201.8 | 206.5 | 212.3 | 223.8 | 234.3 | 242.9 | 248.6 |
| 147.5° | 184.6 | 185.5 | 188.4 | 195.1 | 201.8 | 205.6 | 210.4 | 219.9 | 230.5 | 240.0 | 248.6 |
| 150°   | 187.4 | 187.4 | 190.3 | 195.1 | 201.8 | 204.6 | 208.5 | 217.1 | 225.7 | 235.2 | 242.9 |
| 152.5° | 189.3 | 189.3 | 192.2 | 196.0 | 200.8 | 203.7 | 207.5 | 214.2 | 221.8 | 230.5 | 238.1 |
| 155°   | 191.2 | 191.2 | 193.2 | 196.0 | 200.8 | 202.7 | 205.6 | 211.3 | 218.0 | 224.7 | 231.4 |
| 157.5° | 193.2 | 193.2 | 194.1 | 197.0 | 199.9 | 201.8 | 204.6 | 209.4 | 214.2 | 219.9 | 225.7 |
| 160°   | 194.1 | 194.1 | 195.1 | 197.0 | 198.9 | 200.8 | 202.7 | 206.5 | 211.3 | 215.2 | 219.9 |
| 162.5° | 195.1 | 195.1 | 196.0 | 197.0 | 198.9 | 199.9 | 200.8 | 204.6 | 207.5 | 211.3 | 215.2 |
| 165°   | 196.0 | 196.0 | 196.0 | 197.0 | 197.9 | 198.9 | 199.9 | 201.8 | 204.6 | 207.5 | 210.4 |
| 167.5° | 197.0 | 197.0 | 197.0 | 197.0 | 197.9 | 197.9 | 198.9 | 199.9 | 201.8 | 203.7 | 205.6 |
| 170°   | 197.9 | 197.0 | 197.0 | 197.9 | 197.0 | 197.0 | 197.9 | 198.9 | 198.9 | 200.8 | 201.8 |
| 172.5° | 197.9 | 197.9 | 197.0 | 197.0 | 197.0 | 197.0 | 197.0 | 197.0 | 197.0 | 197.9 | 198.9 |
| 175°   | 197.9 | 197.9 | 197.0 | 197.0 | 197.0 | 196.0 | 196.0 | 196.0 | 196.0 | 196.0 | 196.0 |
| 177.5° | 197.9 | 197.9 | 197.0 | 197.0 | 196.0 | 196.0 | 196.0 | 196.0 | 196.0 | 196.0 | 196.0 |
| 180°   | 195.1 | 195.1 | 195.1 | 195.1 | 195.1 | 195.1 | 195.1 | 195.1 | 195.1 | 195.1 | 195.1 |



TEST NUMBER: P395901

CATALOG NUMBER: I3-WL-50L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1130.3 | 1130.3 | 1130.3 | 1130.3 | 1130.3 | 1130.3 | 1130.3 | 1130.3 | 1130.3 | 1130.3 |
| 2.5°   | 1137.9 | 1133.2 | 1131.2 | 1130.3 | 1129.3 | 1128.4 | 1126.5 | 1124.5 | 1122.6 | 1122.6 |
| 5°     | 1133.2 | 1128.4 | 1126.5 | 1125.5 | 1124.5 | 1123.6 | 1122.6 | 1122.6 | 1122.6 | 1122.6 |
| 7.5°   | 1125.5 | 1120.7 | 1118.8 | 1117.9 | 1117.9 | 1116.9 | 1116.9 | 1116.9 | 1115.9 | 1116.9 |
| 10°    | 1114.0 | 1109.2 | 1108.3 | 1107.3 | 1106.4 | 1104.5 | 1104.5 | 1104.5 | 1103.5 | 1104.5 |
| 12.5°  | 1099.7 | 1094.9 | 1093.9 | 1093.0 | 1092.0 | 1091.1 | 1091.1 | 1090.1 | 1090.1 | 1091.1 |
| 15°    | 1085.3 | 1078.6 | 1076.7 | 1076.7 | 1075.8 | 1074.8 | 1075.8 | 1074.8 | 1074.8 | 1074.8 |
| 17.5°  | 1064.3 | 1061.4 | 1058.6 | 1056.7 | 1055.7 | 1054.7 | 1054.7 | 1053.8 | 1053.8 | 1053.8 |
| 20°    | 1036.6 | 1036.6 | 1036.6 | 1031.8 | 1030.8 | 1029.9 | 1029.9 | 1029.9 | 1029.9 | 1029.9 |
| 22.5°  | 1009.8 | 1005.0 | 1008.8 | 1006.0 | 1004.1 | 1002.1 | 1003.1 | 1003.1 | 1003.1 | 1003.1 |
| 25°    | 980.2  | 976.3  | 977.3  | 978.2  | 976.3  | 973.5  | 973.5  | 973.5  | 973.5  | 972.5  |
| 27.5°  | 948.6  | 945.7  | 944.8  | 945.7  | 947.6  | 945.7  | 942.9  | 940.0  | 940.9  | 940.9  |
| 30°    | 914.2  | 913.2  | 912.3  | 910.3  | 912.3  | 913.2  | 908.4  | 907.5  | 907.5  | 907.5  |
| 32.5°  | 879.7  | 878.8  | 875.9  | 874.0  | 875.0  | 876.9  | 875.0  | 873.1  | 873.1  | 873.1  |
| 35°    | 845.3  | 841.5  | 838.6  | 837.7  | 837.7  | 839.6  | 838.6  | 835.8  | 835.8  | 835.8  |
| 37.5°  | 805.2  | 806.1  | 801.3  | 800.4  | 800.4  | 800.4  | 802.3  | 797.5  | 798.5  | 797.5  |
| 40°    | 766.0  | 766.9  | 764.0  | 761.2  | 762.1  | 760.2  | 763.1  | 758.3  | 758.3  | 758.3  |
| 42.5°  | 726.7  | 724.8  | 725.8  | 720.1  | 721.0  | 721.0  | 722.0  | 719.1  | 718.1  | 717.2  |
| 45°    | 686.6  | 684.7  | 683.7  | 680.8  | 680.8  | 679.9  | 679.9  | 676.1  | 676.1  | 676.1  |
| 47.5°  | 644.5  | 643.6  | 641.6  | 639.7  | 639.7  | 638.8  | 636.9  | 635.9  | 634.9  | 634.9  |
| 50°    | 604.3  | 601.5  | 598.6  | 599.6  | 598.6  | 597.7  | 595.7  | 594.8  | 593.8  | 592.9  |
| 52.5°  | 561.3  | 561.3  | 557.5  | 557.5  | 557.5  | 556.5  | 554.6  | 552.7  | 552.7  | 551.8  |
| 55°    | 519.2  | 518.3  | 515.4  | 514.5  | 515.4  | 514.5  | 512.5  | 510.6  | 510.6  | 509.7  |
| 57.5°  | 477.2  | 475.3  | 474.3  | 474.3  | 473.3  | 473.3  | 470.5  | 468.6  | 469.5  | 468.6  |
| 60°    | 434.1  | 434.1  | 433.2  | 432.2  | 432.2  | 431.3  | 428.4  | 428.4  | 428.4  | 427.4  |
| 62.5°  | 393.0  | 393.0  | 391.1  | 390.1  | 391.1  | 390.1  | 389.2  | 388.2  | 387.3  | 386.3  |
| 65°    | 350.0  | 350.9  | 349.0  | 350.0  | 350.0  | 348.1  | 348.1  | 347.1  | 347.1  | 346.2  |
| 67.5°  | 309.8  | 309.8  | 308.9  | 308.9  | 309.8  | 308.9  | 308.9  | 307.9  | 307.9  | 307.0  |
| 70°    | 268.7  | 270.6  | 269.7  | 269.7  | 269.7  | 268.7  | 268.7  | 268.7  | 267.7  | 268.7  |
| 72.5°  | 227.6  | 227.6  | 227.6  | 227.6  | 227.6  | 228.5  | 228.5  | 228.5  | 228.5  | 227.6  |
| 75°    | 189.3  | 190.3  | 189.3  | 190.3  | 191.2  | 191.2  | 191.2  | 191.2  | 192.2  | 191.2  |
| 77.5°  | 152.0  | 153.0  | 153.0  | 154.9  | 154.9  | 154.9  | 155.9  | 155.9  | 155.9  | 155.9  |
| 80°    | 116.7  | 117.6  | 118.6  | 120.5  | 120.5  | 122.4  | 123.4  | 123.4  | 123.4  | 123.4  |
| 82.5°  | 84.1   | 87.0   | 88.0   | 90.8   | 91.8   | 91.8   | 93.7   | 94.7   | 94.7   | 94.7   |
| 85°    | 58.3   | 61.2   | 63.1   | 65.0   | 66.9   | 66.9   | 68.8   | 68.8   | 69.8   | 69.8   |
| 87.5°  | 36.3   | 39.2   | 41.1   | 44.0   | 44.9   | 45.9   | 46.9   | 47.8   | 48.8   | 48.8   |
| 90°    | 20.1   | 22.0   | 23.9   | 25.8   | 25.8   | 26.8   | 27.7   | 28.7   | 29.6   | 29.6   |
| 92.5°  | 14.3   | 15.3   | 17.2   | 18.2   | 18.2   | 19.1   | 20.1   | 20.1   | 21.0   | 21.0   |
| 95°    | 16.3   | 17.2   | 17.2   | 18.2   | 18.2   | 18.2   | 19.1   | 19.1   | 19.1   | 19.1   |
| 97.5°  | 24.9   | 24.9   | 24.9   | 23.9   | 23.9   | 23.9   | 23.9   | 23.9   | 23.9   | 23.9   |
| 100°   | 32.5   | 33.5   | 33.5   | 33.5   | 34.4   | 34.4   | 34.4   | 34.4   | 33.5   | 33.5   |
| 102.5° | 36.3   | 37.3   | 38.2   | 39.2   | 39.2   | 39.2   | 40.2   | 40.2   | 40.2   | 40.2   |
| 105°   | 41.1   | 41.1   | 42.1   | 43.0   | 43.0   | 43.0   | 44.0   | 44.0   | 44.0   | 44.0   |
| 107.5° | 46.9   | 46.9   | 47.8   | 47.8   | 47.8   | 47.8   | 47.8   | 47.8   | 47.8   | 47.8   |
| 110°   | 53.5   | 53.5   | 53.5   | 52.6   | 53.5   | 52.6   | 52.6   | 52.6   | 52.6   | 52.6   |





TEST NUMBER: P395901

CATALOG NUMBER: I3-WL-50L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 61.2  | 60.2  | 60.2  | 59.3  | 59.3  | 59.3  | 58.3  | 58.3  | 58.3  | 58.3  |
| 115°   | 73.6  | 68.8  | 66.9  | 65.0  | 65.0  | 65.0  | 64.1  | 64.1  | 64.1  | 64.1  |
| 117.5° | 88.9  | 82.2  | 78.4  | 74.6  | 73.6  | 72.7  | 70.8  | 70.8  | 69.8  | 69.8  |
| 120°   | 105.2 | 98.5  | 92.8  | 88.0  | 86.1  | 85.1  | 82.2  | 80.3  | 78.4  | 78.4  |
| 122.5° | 120.5 | 113.8 | 108.1 | 103.3 | 101.4 | 99.4  | 96.6  | 94.7  | 92.8  | 92.8  |
| 125°   | 135.8 | 129.1 | 123.4 | 118.6 | 115.7 | 113.8 | 110.9 | 109.0 | 107.1 | 107.1 |
| 127.5° | 152.0 | 143.4 | 137.7 | 132.9 | 130.0 | 129.1 | 125.3 | 123.4 | 121.4 | 121.4 |
| 130°   | 170.2 | 159.7 | 152.0 | 146.3 | 144.4 | 142.5 | 139.6 | 137.7 | 135.8 | 135.8 |
| 132.5° | 188.4 | 177.9 | 169.3 | 161.6 | 158.7 | 156.8 | 153.0 | 151.1 | 149.2 | 149.2 |
| 135°   | 205.6 | 196.0 | 187.4 | 179.8 | 176.9 | 174.0 | 170.2 | 166.4 | 164.5 | 164.5 |
| 137.5° | 219.0 | 212.3 | 204.6 | 197.9 | 195.1 | 192.2 | 188.4 | 184.6 | 181.7 | 182.6 |
| 140°   | 230.5 | 224.7 | 219.9 | 215.2 | 212.3 | 210.4 | 206.5 | 203.7 | 200.8 | 200.8 |
| 142.5° | 241.0 | 236.2 | 231.4 | 227.6 | 226.6 | 225.7 | 222.8 | 219.9 | 218.0 | 218.0 |
| 145°   | 250.5 | 247.7 | 243.8 | 239.1 | 238.1 | 237.1 | 234.3 | 232.4 | 231.4 | 231.4 |
| 147.5° | 253.4 | 254.4 | 253.4 | 250.5 | 249.6 | 248.6 | 246.7 | 244.8 | 243.8 | 243.8 |
| 150°   | 251.5 | 255.3 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 255.3 | 254.4 | 254.4 |
| 152.5° | 245.8 | 251.5 | 255.3 | 258.2 | 259.1 | 260.1 | 260.1 | 261.1 | 260.1 | 260.1 |
| 155°   | 239.1 | 244.8 | 250.5 | 253.4 | 255.3 | 256.3 | 258.2 | 259.1 | 260.1 | 259.1 |
| 157.5° | 231.4 | 236.2 | 240.0 | 245.8 | 247.7 | 249.6 | 251.5 | 253.4 | 254.4 | 253.4 |
| 160°   | 224.7 | 228.5 | 231.4 | 235.2 | 236.2 | 238.1 | 240.0 | 241.0 | 242.9 | 241.9 |
| 162.5° | 218.0 | 220.9 | 223.8 | 225.7 | 227.6 | 228.5 | 230.5 | 231.4 | 232.4 | 231.4 |
| 165°   | 213.2 | 215.2 | 216.1 | 218.0 | 219.0 | 219.9 | 220.9 | 221.8 | 221.8 | 221.8 |
| 167.5° | 207.5 | 209.4 | 210.4 | 211.3 | 212.3 | 213.2 | 213.2 | 214.2 | 214.2 | 214.2 |
| 170°   | 202.7 | 203.7 | 204.6 | 205.6 | 205.6 | 206.5 | 206.5 | 206.5 | 207.5 | 206.5 |
| 172.5° | 198.9 | 198.9 | 198.9 | 199.9 | 199.9 | 199.9 | 199.9 | 199.9 | 199.9 | 198.9 |
| 175°   | 197.0 | 197.0 | 196.0 | 196.0 | 196.0 | 196.0 | 196.0 | 195.1 | 194.1 | 193.2 |
| 177.5° | 196.0 | 195.1 | 195.1 | 194.1 | 194.1 | 194.1 | 193.2 | 192.2 | 191.2 | 190.3 |
| 180°   | 195.1 | 195.1 | 195.1 | 195.1 | 195.1 | 195.1 | 195.1 | 195.1 | 195.1 | 195.1 |

(END OF REPORT)