

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: P395078

Luminaire Tested: **I3-WL-40L930-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395078
Test Lab: INNOVATION CENTER (G2)
Issue Date: 3/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-WL-40L930-1D-UNV-STD-W-4
Description: CORELITE I3, DOWNLIGHT TRAY
4000 LUMENS
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3250.2 lumens
Efficiency: N/A
Efficacy: 93.7 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

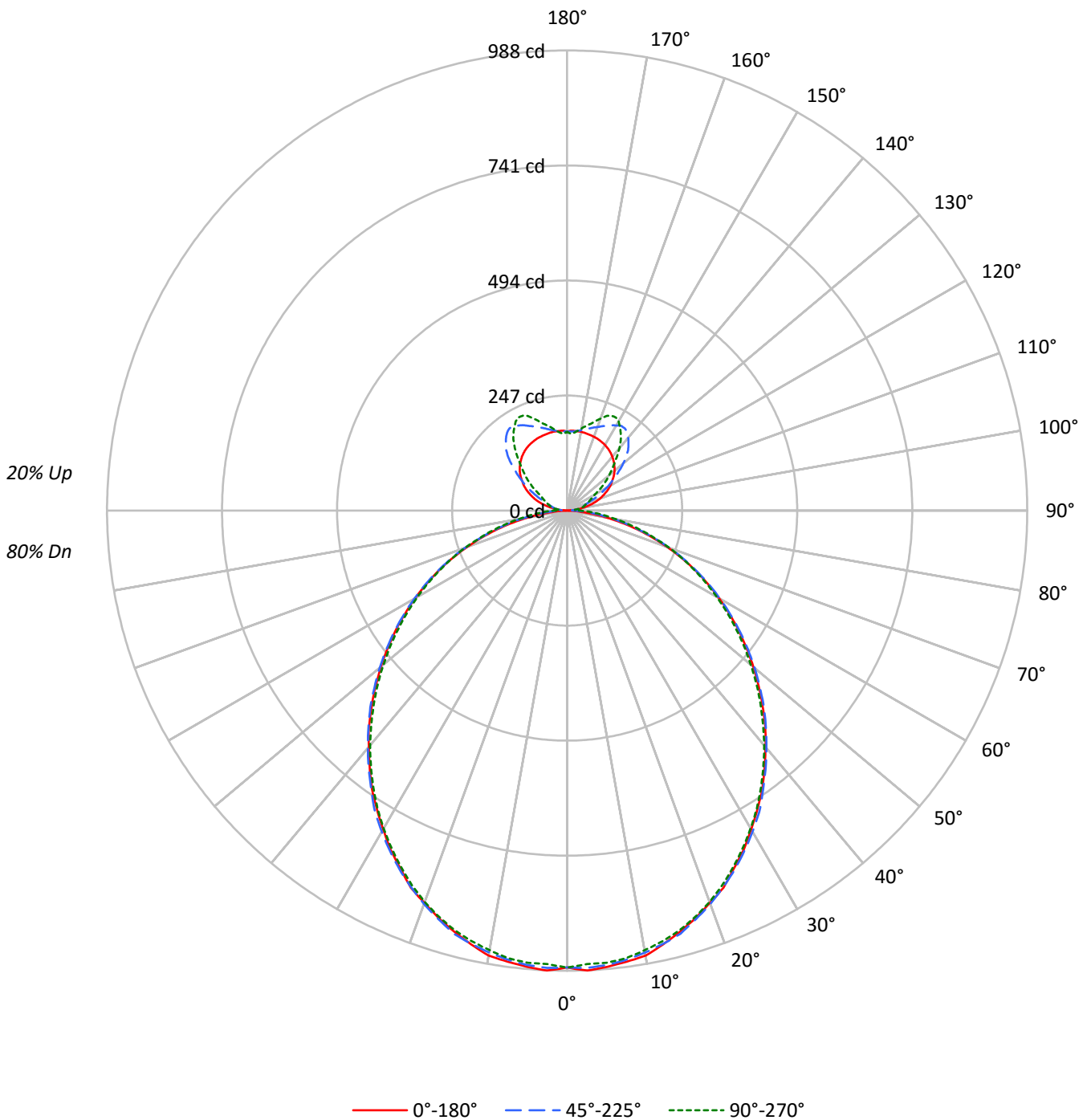
Input Watts (W): 34.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395078

CATALOG NUMBER: I3-WL-40L930-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P395078

CATALOG NUMBER: I3-WL-40L930-1D-UNV-STD-W-4

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 | 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° | 5393 | 5393 | 5393 |
| 5° | 5407 | 5281 | 5224 |
| 10° | 5375 | 5137 | 5053 |
| 15° | 5267 | 4995 | 4873 |
| 20° | 5163 | 4794 | 4663 |
| 25° | 5039 | 4591 | 4431 |
| 30° | 4895 | 4380 | 4193 |
| 35° | 4759 | 4146 | 3946 |
| 40° | 4588 | 3905 | 3690 |
| 45° | 4424 | 3670 | 3421 |
| 50° | 4249 | 3412 | 3149 |
| 55° | 4064 | 3148 | 2872 |
| 60° | 3858 | 2855 | 2586 |
| 65° | 3621 | 2537 | 2279 |
| 70° | 3283 | 2166 | 1956 |
| 75° | 2830 | 1716 | 1571 |
| 80° | 2160 | 1236 | 1173 |
| 85° | 1129 | 739 | 795 |



TEST NUMBER: P395078

CATALOG NUMBER: I3-WL-40L930-1D-UNV-STD-W-4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 92.7 | 2.9 |
| 10°-20° | 262.9 | 8.1 |
| 20°-30° | 389.3 | 12.0 |
| 30°-40° | 455.0 | 14.0 |
| 40°-50° | 457.0 | 14.1 |
| 50°-60° | 401.7 | 12.4 |
| 60°-70° | 301.0 | 9.3 |
| 70°-80° | 171.2 | 5.3 |
| 80°-90° | 54.0 | 1.7 |
| 90°-100° | 19.5 | 0.6 |
| 100°-110° | 47.5 | 1.5 |
| 110°-120° | 78.9 | 2.4 |
| 120°-130° | 110.6 | 3.4 |
| 130°-140° | 127.5 | 3.9 |
| 140°-150° | 121.8 | 3.7 |
| 150°-160° | 91.6 | 2.8 |
| 160°-170° | 51.8 | 1.6 |
| 170°-180° | 16.4 | 0.5 |
| 0°-30° | 744.9 | 22.9 |
| 0°-40° | 1199.9 | 36.9 |
| 0°-60° | 2058.5 | 63.3 |
| 0°-90° | 2584.7 | 79.5 |
| 90°-120° | 145.8 | 4.5 |
| 90°-150° | 505.7 | 15.6 |
| 90°-180° | 666.0 | 20.5 |
| 0°-180° | 3250.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 981 | 981 | 981 | 981 | 981 | |
| 5° | 984 | 974 | 979 | 976 | 974 | 93 |
| 15° | 936 | 928 | 940 | 934 | 933 | 264 |
| 25° | 847 | 845 | 851 | 847 | 844 | 391 |
| 35° | 730 | 725 | 733 | 727 | 725 | 456 |
| 45° | 593 | 593 | 598 | 591 | 587 | 458 |
| 55° | 450 | 452 | 453 | 447 | 442 | 402 |
| 65° | 304 | 305 | 306 | 304 | 300 | 300 |
| 75° | 154 | 157 | 161 | 166 | 166 | 164 |
| 85° | 27 | 35 | 47 | 58 | 61 | 35 |
| 90° | 1 | 5 | 15 | 22 | 26 | 2 |
| 95° | 14 | 14 | 14 | 16 | 17 | 16 |
| 105° | 56 | 47 | 36 | 37 | 38 | 58 |
| 115° | 91 | 114 | 70 | 56 | 56 | 90 |
| 125° | 120 | 166 | 125 | 100 | 93 | 108 |
| 135° | 143 | 181 | 185 | 154 | 143 | 110 |
| 145° | 158 | 179 | 216 | 207 | 201 | 99 |
| 155° | 166 | 176 | 201 | 222 | 225 | 77 |
| 165° | 170 | 173 | 183 | 190 | 193 | 48 |
| 175° | 172 | 170 | 170 | 170 | 168 | 16 |
| 180° | 169 | 169 | 169 | 169 | 169 | |



TEST NUMBER: P395078

CATALOG NUMBER: I3-WL-40L930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 981.1 | 981.1 | 981.1 | 981.1 | 981.1 | 981.1 | 981.1 | 981.1 | 981.1 | 981.1 | 981.1 |
| 2.5° | 988.5 | 986.9 | 982.7 | 978.6 | 977.7 | 976.9 | 976.9 | 976.1 | 976.1 | 977.7 | 982.7 |
| 5° | 983.6 | 982.7 | 978.6 | 974.4 | 973.6 | 973.6 | 972.8 | 972.8 | 972.8 | 974.4 | 979.4 |
| 7.5° | 976.9 | 975.2 | 971.1 | 967.0 | 966.1 | 966.1 | 966.1 | 965.3 | 966.1 | 967.0 | 972.8 |
| 10° | 970.3 | 969.4 | 965.3 | 960.3 | 958.6 | 958.6 | 957.8 | 956.2 | 956.2 | 957.8 | 963.6 |
| 12.5° | 953.7 | 952.8 | 948.7 | 945.4 | 945.4 | 946.2 | 946.2 | 947.0 | 947.0 | 948.7 | 952.8 |
| 15° | 936.2 | 935.4 | 931.3 | 927.9 | 927.9 | 927.9 | 927.1 | 927.1 | 927.9 | 932.9 | 940.4 |
| 17.5° | 917.2 | 916.3 | 913.0 | 909.7 | 909.7 | 909.7 | 908.8 | 908.8 | 909.7 | 912.2 | 919.6 |
| 20° | 896.4 | 895.6 | 892.2 | 888.9 | 888.9 | 888.9 | 888.1 | 888.9 | 888.9 | 892.2 | 898.9 |
| 22.5° | 876.5 | 874.8 | 870.7 | 867.4 | 865.7 | 865.7 | 865.7 | 864.9 | 866.5 | 869.0 | 875.6 |
| 25° | 847.4 | 846.6 | 844.9 | 842.4 | 844.1 | 844.9 | 843.3 | 841.6 | 841.6 | 844.9 | 850.8 |
| 27.5° | 820.9 | 819.2 | 816.7 | 814.2 | 812.6 | 813.4 | 814.2 | 815.9 | 818.4 | 819.2 | 824.2 |
| 30° | 790.2 | 789.3 | 786.8 | 783.5 | 784.3 | 785.2 | 785.2 | 785.2 | 786.8 | 794.3 | 796.0 |
| 32.5° | 760.3 | 759.4 | 757.0 | 753.6 | 754.5 | 755.3 | 754.5 | 755.3 | 757.0 | 760.3 | 767.8 |
| 35° | 730.4 | 728.7 | 726.2 | 725.4 | 724.6 | 724.6 | 724.6 | 725.4 | 726.2 | 728.7 | 732.9 |
| 37.5° | 696.4 | 694.7 | 693.0 | 690.6 | 692.2 | 693.9 | 694.7 | 693.9 | 694.7 | 698.0 | 699.7 |
| 40° | 662.3 | 661.5 | 659.8 | 658.2 | 659.0 | 659.8 | 659.0 | 661.5 | 663.2 | 664.8 | 665.7 |
| 42.5° | 630.0 | 628.3 | 626.6 | 625.8 | 625.8 | 626.6 | 626.6 | 628.3 | 628.3 | 632.5 | 631.6 |
| 45° | 593.4 | 592.6 | 591.8 | 591.8 | 592.6 | 592.6 | 592.6 | 593.4 | 594.3 | 596.8 | 597.6 |
| 47.5° | 557.8 | 556.9 | 556.9 | 556.9 | 556.9 | 557.8 | 558.6 | 561.1 | 559.4 | 560.2 | 561.1 |
| 50° | 522.1 | 521.2 | 521.2 | 521.2 | 522.9 | 522.9 | 524.6 | 525.4 | 526.2 | 524.6 | 525.4 |
| 52.5° | 485.6 | 484.7 | 486.4 | 486.4 | 488.0 | 488.0 | 490.5 | 488.0 | 489.7 | 488.9 | 488.9 |
| 55° | 449.9 | 449.0 | 450.7 | 449.9 | 451.5 | 451.5 | 453.2 | 454.0 | 453.2 | 453.2 | 453.2 |
| 57.5° | 413.3 | 412.5 | 413.3 | 414.2 | 415.0 | 415.0 | 417.5 | 417.5 | 415.0 | 416.7 | 415.8 |
| 60° | 376.8 | 376.0 | 376.8 | 377.6 | 378.5 | 378.5 | 379.3 | 377.6 | 379.3 | 380.1 | 379.3 |
| 62.5° | 340.3 | 339.5 | 341.1 | 340.3 | 341.1 | 342.0 | 342.0 | 344.4 | 343.6 | 343.6 | 342.8 |
| 65° | 303.8 | 303.0 | 303.0 | 303.0 | 303.8 | 304.6 | 305.4 | 306.3 | 306.3 | 307.1 | 306.3 |
| 67.5° | 266.4 | 265.6 | 266.4 | 265.6 | 266.4 | 267.3 | 268.9 | 269.8 | 269.8 | 270.6 | 269.8 |
| 70° | 228.2 | 229.1 | 228.2 | 229.1 | 229.9 | 230.7 | 231.6 | 233.2 | 233.2 | 233.2 | 233.2 |
| 72.5° | 190.9 | 190.1 | 190.1 | 189.2 | 190.9 | 191.7 | 192.6 | 195.0 | 195.0 | 195.9 | 195.9 |
| 75° | 154.4 | 152.7 | 153.5 | 152.7 | 156.0 | 156.9 | 156.9 | 159.4 | 160.2 | 161.8 | 161.0 |
| 77.5° | 118.7 | 118.7 | 117.0 | 119.5 | 120.4 | 122.0 | 123.7 | 125.3 | 126.2 | 128.6 | 128.6 |
| 80° | 84.7 | 84.7 | 83.8 | 85.5 | 88.8 | 89.6 | 92.1 | 93.0 | 95.4 | 97.1 | 97.9 |
| 82.5° | 54.0 | 54.0 | 54.0 | 56.4 | 58.9 | 59.8 | 62.2 | 64.7 | 66.4 | 68.9 | 69.7 |
| 85° | 26.6 | 28.2 | 28.2 | 31.5 | 33.2 | 34.9 | 35.7 | 39.0 | 41.5 | 44.8 | 47.3 |
| 87.5° | 8.3 | 9.1 | 10.0 | 11.6 | 14.9 | 15.8 | 17.4 | 20.8 | 23.2 | 26.6 | 29.0 |
| 90° | 0.8 | 0.8 | 1.7 | 2.5 | 4.1 | 5.0 | 6.6 | 8.3 | 10.8 | 13.3 | 14.9 |
| 92.5° | 5.8 | 5.8 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 7.5 | 8.3 | 10.0 | 10.8 |
| 95° | 14.1 | 22.4 | 13.3 | 12.4 | 14.1 | 14.1 | 14.9 | 14.1 | 14.1 | 14.1 | 14.1 |
| 97.5° | 23.2 | 41.5 | 27.4 | 19.1 | 18.3 | 19.1 | 19.1 | 20.8 | 21.6 | 22.4 | 22.4 |
| 100° | 34.0 | 52.3 | 48.1 | 31.5 | 25.7 | 24.9 | 24.9 | 24.9 | 25.7 | 26.6 | 27.4 |
| 102.5° | 44.8 | 59.8 | 68.9 | 49.0 | 36.5 | 33.2 | 31.5 | 30.7 | 29.9 | 30.7 | 30.7 |
| 105° | 55.6 | 67.2 | 84.7 | 66.4 | 52.3 | 47.3 | 42.3 | 36.5 | 35.7 | 35.7 | 35.7 |
| 107.5° | 65.6 | 74.7 | 96.3 | 86.3 | 68.1 | 63.1 | 57.3 | 48.1 | 42.3 | 41.5 | 40.7 |
| 110° | 74.7 | 82.2 | 104.6 | 102.9 | 85.5 | 78.0 | 73.0 | 63.1 | 54.8 | 49.0 | 46.5 |



TEST NUMBER: P395078

CATALOG NUMBER: I3-WL-40L930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 83.0 | 89.6 | 110.4 | 117.0 | 104.6 | 95.4 | 88.0 | 78.0 | 68.9 | 61.4 | 55.6 |
| 115° | 91.3 | 97.1 | 115.4 | 128.6 | 121.2 | 113.7 | 105.4 | 93.0 | 83.8 | 76.4 | 69.7 |
| 117.5° | 99.6 | 104.6 | 120.4 | 137.0 | 135.3 | 130.3 | 123.7 | 108.7 | 97.9 | 90.5 | 83.0 |
| 120° | 107.1 | 112.0 | 125.3 | 142.8 | 147.7 | 143.6 | 139.4 | 126.2 | 112.9 | 104.6 | 97.9 |
| 122.5° | 113.7 | 117.9 | 130.3 | 147.7 | 156.9 | 156.0 | 151.9 | 142.8 | 129.5 | 119.5 | 111.2 |
| 125° | 120.4 | 124.5 | 135.3 | 151.1 | 163.5 | 166.0 | 164.3 | 156.9 | 146.9 | 135.3 | 125.3 |
| 127.5° | 127.0 | 130.3 | 140.3 | 154.4 | 168.5 | 173.5 | 174.3 | 169.3 | 161.8 | 151.9 | 141.1 |
| 130° | 132.8 | 136.1 | 144.4 | 156.9 | 171.8 | 177.6 | 180.9 | 180.1 | 174.3 | 167.7 | 156.9 |
| 132.5° | 137.8 | 140.3 | 148.6 | 159.4 | 173.5 | 180.1 | 185.1 | 189.2 | 185.1 | 180.1 | 172.6 |
| 135° | 142.8 | 145.2 | 151.9 | 161.8 | 174.3 | 180.9 | 187.6 | 194.2 | 195.0 | 190.9 | 185.1 |
| 137.5° | 146.9 | 148.6 | 155.2 | 163.5 | 174.3 | 180.9 | 187.6 | 196.7 | 201.7 | 200.0 | 195.0 |
| 140° | 151.1 | 152.7 | 157.7 | 166.0 | 175.1 | 180.9 | 186.8 | 197.5 | 204.2 | 206.7 | 204.2 |
| 142.5° | 154.4 | 156.0 | 160.2 | 167.7 | 175.1 | 180.1 | 185.9 | 195.9 | 205.0 | 210.0 | 211.6 |
| 145° | 157.7 | 158.5 | 162.7 | 168.5 | 175.1 | 179.3 | 184.3 | 194.2 | 203.4 | 210.8 | 215.8 |
| 147.5° | 160.2 | 161.0 | 163.5 | 169.3 | 175.1 | 178.4 | 182.6 | 190.9 | 200.0 | 208.3 | 215.8 |
| 150° | 162.7 | 162.7 | 165.2 | 169.3 | 175.1 | 177.6 | 180.9 | 188.4 | 195.9 | 204.2 | 210.8 |
| 152.5° | 164.3 | 164.3 | 166.8 | 170.2 | 174.3 | 176.8 | 180.1 | 185.9 | 192.6 | 200.0 | 206.7 |
| 155° | 166.0 | 166.0 | 167.7 | 170.2 | 174.3 | 176.0 | 178.4 | 183.4 | 189.2 | 195.0 | 200.9 |
| 157.5° | 167.7 | 167.7 | 168.5 | 171.0 | 173.5 | 175.1 | 177.6 | 181.8 | 185.9 | 190.9 | 195.9 |
| 160° | 168.5 | 168.5 | 169.3 | 171.0 | 172.6 | 174.3 | 176.0 | 179.3 | 183.4 | 186.8 | 190.9 |
| 162.5° | 169.3 | 169.3 | 170.2 | 171.0 | 172.6 | 173.5 | 174.3 | 177.6 | 180.1 | 183.4 | 186.8 |
| 165° | 170.2 | 170.2 | 170.2 | 171.0 | 171.8 | 172.6 | 173.5 | 175.1 | 177.6 | 180.1 | 182.6 |
| 167.5° | 171.0 | 171.0 | 171.0 | 171.0 | 171.8 | 171.8 | 172.6 | 173.5 | 175.1 | 176.8 | 178.4 |
| 170° | 171.8 | 171.0 | 171.0 | 171.8 | 171.0 | 171.0 | 171.8 | 172.6 | 172.6 | 174.3 | 175.1 |
| 172.5° | 171.8 | 171.8 | 171.0 | 171.0 | 171.0 | 171.0 | 171.0 | 171.0 | 171.0 | 171.8 | 172.6 |
| 175° | 171.8 | 171.8 | 171.0 | 171.0 | 171.0 | 170.2 | 170.2 | 170.2 | 170.2 | 170.2 | 170.2 |
| 177.5° | 171.8 | 171.8 | 171.0 | 171.0 | 170.2 | 170.2 | 170.2 | 170.2 | 170.2 | 170.2 | 170.2 |
| 180° | 169.3 | 169.3 | 169.3 | 169.3 | 169.3 | 169.3 | 169.3 | 169.3 | 169.3 | 169.3 | 169.3 |



TEST NUMBER: P395078

CATALOG NUMBER: I3-WL-40L930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 981.1 | 981.1 | 981.1 | 981.1 | 981.1 | 981.1 | 981.1 | 981.1 | 981.1 | 981.1 |
| 2.5° | 987.7 | 983.6 | 981.9 | 981.1 | 980.2 | 979.4 | 977.7 | 976.1 | 974.4 | 974.4 |
| 5° | 983.6 | 979.4 | 977.7 | 976.9 | 976.1 | 975.2 | 974.4 | 974.4 | 974.4 | 974.4 |
| 7.5° | 976.9 | 972.8 | 971.1 | 970.3 | 970.3 | 969.4 | 969.4 | 969.4 | 968.6 | 969.4 |
| 10° | 967.0 | 962.8 | 962.0 | 961.1 | 960.3 | 958.6 | 958.6 | 958.6 | 957.8 | 958.6 |
| 12.5° | 954.5 | 950.4 | 949.5 | 948.7 | 947.9 | 947.0 | 947.0 | 946.2 | 946.2 | 947.0 |
| 15° | 942.0 | 936.2 | 934.6 | 934.6 | 933.8 | 932.9 | 933.8 | 932.9 | 932.9 | 932.9 |
| 17.5° | 923.8 | 921.3 | 918.8 | 917.2 | 916.3 | 915.5 | 915.5 | 914.7 | 914.7 | 914.7 |
| 20° | 899.7 | 899.7 | 899.7 | 895.6 | 894.7 | 893.9 | 893.9 | 893.9 | 893.9 | 893.9 |
| 22.5° | 876.5 | 872.3 | 875.6 | 873.2 | 871.5 | 869.8 | 870.7 | 870.7 | 870.7 | 870.7 |
| 25° | 850.8 | 847.4 | 848.3 | 849.1 | 847.4 | 844.9 | 844.9 | 844.9 | 844.9 | 844.1 |
| 27.5° | 823.4 | 820.9 | 820.0 | 820.9 | 822.5 | 820.9 | 818.4 | 815.9 | 816.7 | 816.7 |
| 30° | 793.5 | 792.6 | 791.8 | 790.2 | 791.8 | 792.6 | 788.5 | 787.7 | 787.7 | 787.7 |
| 32.5° | 763.6 | 762.8 | 760.3 | 758.6 | 759.4 | 761.1 | 759.4 | 757.8 | 757.8 | 757.8 |
| 35° | 733.7 | 730.4 | 727.9 | 727.1 | 727.1 | 728.7 | 727.9 | 725.4 | 725.4 | 725.4 |
| 37.5° | 698.9 | 699.7 | 695.5 | 694.7 | 694.7 | 694.7 | 696.4 | 692.2 | 693.0 | 692.2 |
| 40° | 664.8 | 665.7 | 663.2 | 660.7 | 661.5 | 659.8 | 662.3 | 658.2 | 658.2 | 658.2 |
| 42.5° | 630.8 | 629.1 | 630.0 | 625.0 | 625.8 | 625.8 | 626.6 | 624.2 | 623.3 | 622.5 |
| 45° | 595.9 | 594.3 | 593.4 | 591.0 | 591.0 | 590.1 | 590.1 | 586.8 | 586.8 | 586.8 |
| 47.5° | 559.4 | 558.6 | 556.9 | 555.3 | 555.3 | 554.4 | 552.8 | 551.9 | 551.1 | 551.1 |
| 50° | 524.6 | 522.1 | 519.6 | 520.4 | 519.6 | 518.8 | 517.1 | 516.3 | 515.4 | 514.6 |
| 52.5° | 487.2 | 487.2 | 483.9 | 483.9 | 483.9 | 483.1 | 481.4 | 479.7 | 479.7 | 478.9 |
| 55° | 450.7 | 449.9 | 447.4 | 446.5 | 447.4 | 446.5 | 444.9 | 443.2 | 443.2 | 442.4 |
| 57.5° | 414.2 | 412.5 | 411.7 | 411.7 | 410.8 | 410.8 | 408.4 | 406.7 | 407.5 | 406.7 |
| 60° | 376.8 | 376.8 | 376.0 | 375.2 | 375.2 | 374.3 | 371.8 | 371.8 | 371.8 | 371.0 |
| 62.5° | 341.1 | 341.1 | 339.5 | 338.6 | 339.5 | 338.6 | 337.8 | 337.0 | 336.2 | 335.3 |
| 65° | 303.8 | 304.6 | 303.0 | 303.8 | 303.8 | 302.1 | 302.1 | 301.3 | 301.3 | 300.5 |
| 67.5° | 268.9 | 268.9 | 268.1 | 268.1 | 268.9 | 268.1 | 268.1 | 267.3 | 267.3 | 266.4 |
| 70° | 233.2 | 234.9 | 234.1 | 234.1 | 234.1 | 233.2 | 233.2 | 233.2 | 232.4 | 233.2 |
| 72.5° | 197.5 | 197.5 | 197.5 | 197.5 | 197.5 | 198.4 | 198.4 | 198.4 | 198.4 | 197.5 |
| 75° | 164.3 | 165.2 | 164.3 | 165.2 | 166.0 | 166.0 | 166.0 | 166.0 | 166.8 | 166.0 |
| 77.5° | 132.0 | 132.8 | 132.8 | 134.5 | 134.5 | 134.5 | 135.3 | 135.3 | 135.3 | 135.3 |
| 80° | 101.3 | 102.1 | 102.9 | 104.6 | 104.6 | 106.2 | 107.1 | 107.1 | 107.1 | 107.1 |
| 82.5° | 73.0 | 75.5 | 76.4 | 78.8 | 79.7 | 79.7 | 81.3 | 82.2 | 82.2 | 82.2 |
| 85° | 50.6 | 53.1 | 54.8 | 56.4 | 58.1 | 58.1 | 59.8 | 59.8 | 60.6 | 60.6 |
| 87.5° | 31.5 | 34.0 | 35.7 | 38.2 | 39.0 | 39.8 | 40.7 | 41.5 | 42.3 | 42.3 |
| 90° | 17.4 | 19.1 | 20.8 | 22.4 | 22.4 | 23.2 | 24.1 | 24.9 | 25.7 | 25.7 |
| 92.5° | 12.4 | 13.3 | 14.9 | 15.8 | 15.8 | 16.6 | 17.4 | 17.4 | 18.3 | 18.3 |
| 95° | 14.1 | 14.9 | 14.9 | 15.8 | 15.8 | 15.8 | 16.6 | 16.6 | 16.6 | 16.6 |
| 97.5° | 21.6 | 21.6 | 21.6 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 |
| 100° | 28.2 | 29.0 | 29.0 | 29.0 | 29.9 | 29.9 | 29.9 | 29.9 | 29.0 | 29.0 |
| 102.5° | 31.5 | 32.4 | 33.2 | 34.0 | 34.0 | 34.0 | 34.9 | 34.9 | 34.9 | 34.9 |
| 105° | 35.7 | 35.7 | 36.5 | 37.4 | 37.4 | 37.4 | 38.2 | 38.2 | 38.2 | 38.2 |
| 107.5° | 40.7 | 40.7 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 110° | 46.5 | 46.5 | 46.5 | 45.6 | 46.5 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |



TEST NUMBER: P395078

CATALOG NUMBER: I3-WL-40L930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 53.1 | 52.3 | 52.3 | 51.5 | 51.5 | 51.5 | 50.6 | 50.6 | 50.6 | 50.6 |
| 115° | 63.9 | 59.8 | 58.1 | 56.4 | 56.4 | 56.4 | 55.6 | 55.6 | 55.6 | 55.6 |
| 117.5° | 77.2 | 71.4 | 68.1 | 64.7 | 63.9 | 63.1 | 61.4 | 61.4 | 60.6 | 60.6 |
| 120° | 91.3 | 85.5 | 80.5 | 76.4 | 74.7 | 73.9 | 71.4 | 69.7 | 68.1 | 68.1 |
| 122.5° | 104.6 | 98.8 | 93.8 | 89.6 | 88.0 | 86.3 | 83.8 | 82.2 | 80.5 | 80.5 |
| 125° | 117.9 | 112.0 | 107.1 | 102.9 | 100.4 | 98.8 | 96.3 | 94.6 | 93.0 | 93.0 |
| 127.5° | 132.0 | 124.5 | 119.5 | 115.4 | 112.9 | 112.0 | 108.7 | 107.1 | 105.4 | 105.4 |
| 130° | 147.7 | 138.6 | 132.0 | 127.0 | 125.3 | 123.7 | 121.2 | 119.5 | 117.9 | 117.9 |
| 132.5° | 163.5 | 154.4 | 146.9 | 140.3 | 137.8 | 136.1 | 132.8 | 131.1 | 129.5 | 129.5 |
| 135° | 178.4 | 170.2 | 162.7 | 156.0 | 153.5 | 151.1 | 147.7 | 144.4 | 142.8 | 142.8 |
| 137.5° | 190.1 | 184.3 | 177.6 | 171.8 | 169.3 | 166.8 | 163.5 | 160.2 | 157.7 | 158.5 |
| 140° | 200.0 | 195.0 | 190.9 | 186.8 | 184.3 | 182.6 | 179.3 | 176.8 | 174.3 | 174.3 |
| 142.5° | 209.2 | 205.0 | 200.9 | 197.5 | 196.7 | 195.9 | 193.4 | 190.9 | 189.2 | 189.2 |
| 145° | 217.5 | 215.0 | 211.6 | 207.5 | 206.7 | 205.8 | 203.4 | 201.7 | 200.9 | 200.9 |
| 147.5° | 220.0 | 220.8 | 220.0 | 217.5 | 216.6 | 215.8 | 214.1 | 212.5 | 211.6 | 211.6 |
| 150° | 218.3 | 221.6 | 223.3 | 223.3 | 223.3 | 223.3 | 223.3 | 221.6 | 220.8 | 220.8 |
| 152.5° | 213.3 | 218.3 | 221.6 | 224.1 | 224.9 | 225.8 | 225.8 | 226.6 | 225.8 | 225.8 |
| 155° | 207.5 | 212.5 | 217.5 | 220.0 | 221.6 | 222.4 | 224.1 | 224.9 | 225.8 | 224.9 |
| 157.5° | 200.9 | 205.0 | 208.3 | 213.3 | 215.0 | 216.6 | 218.3 | 220.0 | 220.8 | 220.0 |
| 160° | 195.0 | 198.4 | 200.9 | 204.2 | 205.0 | 206.7 | 208.3 | 209.2 | 210.8 | 210.0 |
| 162.5° | 189.2 | 191.7 | 194.2 | 195.9 | 197.5 | 198.4 | 200.0 | 200.9 | 201.7 | 200.9 |
| 165° | 185.1 | 186.8 | 187.6 | 189.2 | 190.1 | 190.9 | 191.7 | 192.6 | 192.6 | 192.6 |
| 167.5° | 180.1 | 181.8 | 182.6 | 183.4 | 184.3 | 185.1 | 185.1 | 185.9 | 185.9 | 185.9 |
| 170° | 176.0 | 176.8 | 177.6 | 178.4 | 178.4 | 179.3 | 179.3 | 179.3 | 180.1 | 179.3 |
| 172.5° | 172.6 | 172.6 | 172.6 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 172.6 |
| 175° | 171.0 | 171.0 | 170.2 | 170.2 | 170.2 | 170.2 | 170.2 | 169.3 | 168.5 | 167.7 |
| 177.5° | 170.2 | 169.3 | 169.3 | 168.5 | 168.5 | 168.5 | 167.7 | 166.8 | 166.0 | 165.2 |
| 180° | 169.3 | 169.3 | 169.3 | 169.3 | 169.3 | 169.3 | 169.3 | 169.3 | 169.3 | 169.3 |

(END OF REPORT)