

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: P395037

Luminaire Tested: **I3-FL-20L935-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-FL-20L935-1D-UNV-STD-W-4
Description: CORELITE I3, FROSTED TOP COVER
2000 LUMENS
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

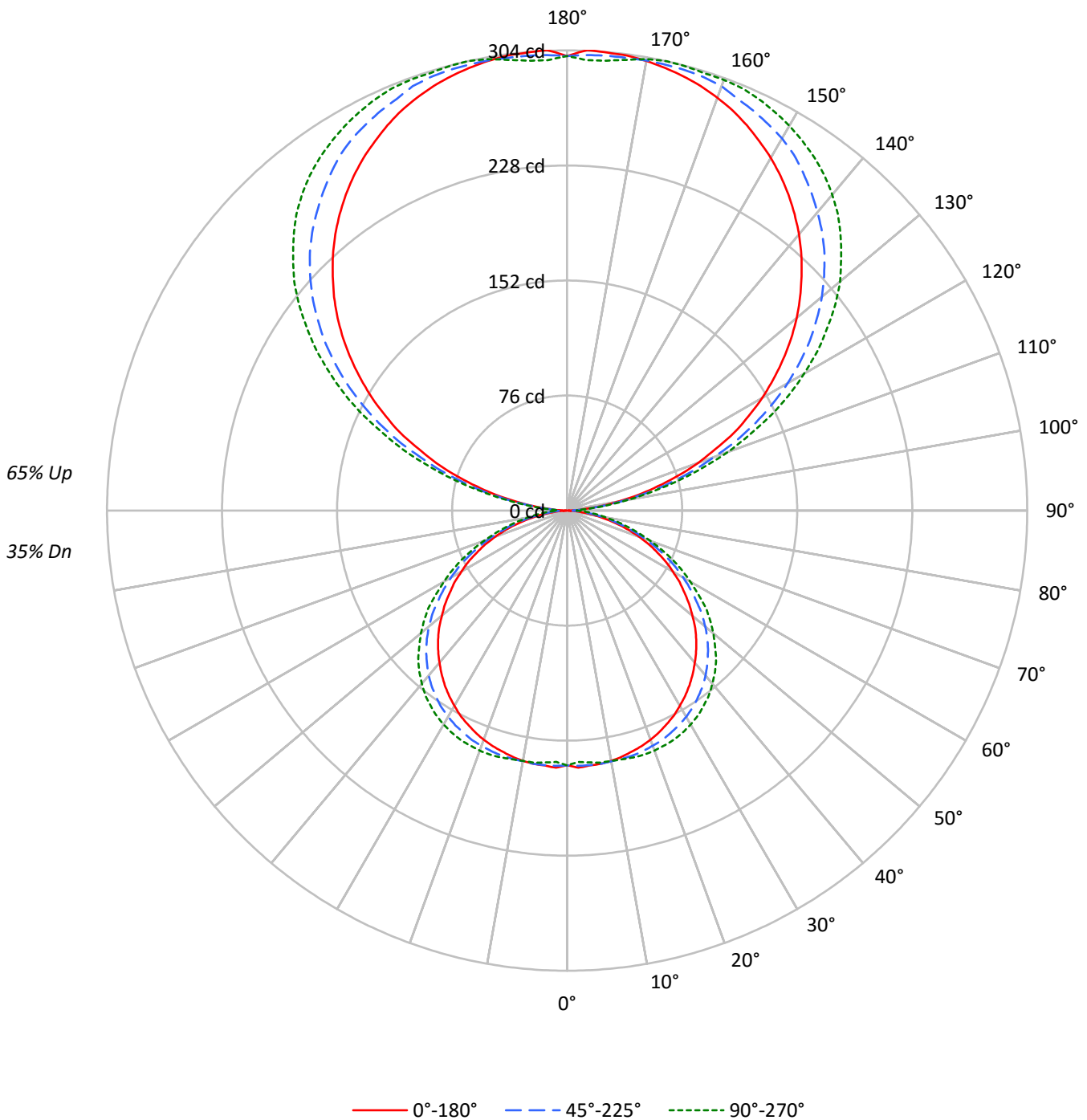
Lumens per Lamp: N/A
Luminaire Lumens: 1546.8 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.43 / 1.49
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 12.8
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: P395037
CATALOG NUMBER: I3-FL-20L935-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P395037

CATALOG NUMBER: I3-FL-20L935-1D-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 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 75 | 75 | 75 | 58 | 58 | 58 | 43 | 43 | 43 | 35 |
| 1 | 94 | 90 | 86 | 83 | 85 | 81 | 78 | 75 | 66 | 63 | 61 | 51 | 49 | 48 | 37 | 36 | 36 | 29 |
| 2 | 86 | 78 | 72 | 67 | 77 | 71 | 66 | 61 | 57 | 53 | 50 | 44 | 42 | 40 | 33 | 31 | 30 | 24 |
| 3 | 78 | 69 | 61 | 55 | 70 | 62 | 56 | 51 | 50 | 46 | 42 | 39 | 36 | 33 | 29 | 27 | 25 | 20 |
| 4 | 71 | 60 | 53 | 47 | 64 | 55 | 48 | 43 | 44 | 39 | 35 | 35 | 31 | 28 | 25 | 23 | 21 | 17 |
| 5 | 65 | 54 | 46 | 40 | 59 | 49 | 42 | 36 | 39 | 34 | 30 | 31 | 27 | 24 | 23 | 20 | 18 | 15 |
| 6 | 60 | 48 | 40 | 34 | 54 | 44 | 37 | 31 | 35 | 30 | 26 | 28 | 24 | 21 | 21 | 18 | 16 | 13 |
| 7 | 55 | 43 | 35 | 30 | 50 | 39 | 32 | 27 | 32 | 27 | 23 | 25 | 21 | 18 | 19 | 16 | 14 | 11 |
| 8 | 51 | 39 | 31 | 26 | 46 | 35 | 29 | 24 | 29 | 24 | 20 | 23 | 19 | 16 | 17 | 14 | 13 | 10 |
| 9 | 47 | 35 | 28 | 23 | 43 | 32 | 26 | 21 | 26 | 21 | 18 | 21 | 17 | 15 | 16 | 13 | 11 | 9 |
| 10 | 44 | 32 | 25 | 20 | 40 | 30 | 23 | 19 | 24 | 19 | 16 | 19 | 16 | 13 | 14 | 12 | 10 | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-----|-----|-----|
| 0° | 925 | 925 | 925 |
| 5° | 930 | 910 | 895 |
| 10° | 930 | 897 | 885 |
| 15° | 928 | 890 | 882 |
| 20° | 928 | 882 | 881 |
| 25° | 926 | 874 | 877 |
| 30° | 922 | 866 | 869 |
| 35° | 918 | 852 | 856 |
| 40° | 909 | 834 | 837 |
| 45° | 899 | 808 | 812 |
| 50° | 879 | 773 | 772 |
| 55° | 854 | 724 | 726 |
| 60° | 825 | 667 | 655 |
| 65° | 784 | 598 | 582 |
| 70° | 728 | 509 | 492 |
| 75° | 634 | 405 | 391 |
| 80° | 495 | 288 | 287 |
| 85° | 267 | 164 | 189 |



TEST NUMBER: P395037

CATALOG NUMBER: I3-FL-20L935-1D-UNV-STD-W-4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 16.0 | 1.0 |
| 10°-20° | 47.2 | 3.1 |
| 20°-30° | 74.4 | 4.8 |
| 30°-40° | 93.5 | 6.0 |
| 40°-50° | 100.6 | 6.5 |
| 50°-60° | 92.5 | 6.0 |
| 60°-70° | 70.9 | 4.6 |
| 70°-80° | 40.4 | 2.6 |
| 80°-90° | 12.6 | 0.8 |
| 90°-100° | 16.9 | 1.1 |
| 100°-110° | 73.3 | 4.7 |
| 110°-120° | 134.2 | 8.7 |
| 120°-130° | 173.0 | 11.2 |
| 130°-140° | 184.1 | 11.9 |
| 140°-150° | 169.3 | 10.9 |
| 150°-160° | 134.2 | 8.7 |
| 160°-170° | 85.0 | 5.5 |
| 170°-180° | 28.8 | 1.9 |
| 0°-30° | 137.7 | 8.9 |
| 0°-40° | 231.2 | 14.9 |
| 0°-60° | 424.3 | 27.4 |
| 0°-90° | 548.2 | 35.4 |
| 90°-120° | 224.4 | 14.5 |
| 90°-150° | 750.7 | 48.5 |
| 90°-180° | 999.0 | 64.6 |
| 0°-180° | 1546.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 168 | 168 | 168 | 168 | 168 | |
| 5° | 169 | 168 | 169 | 168 | 167 | 16 |
| 15° | 165 | 164 | 168 | 169 | 169 | 47 |
| 25° | 156 | 156 | 162 | 166 | 167 | 72 |
| 35° | 141 | 143 | 151 | 156 | 157 | 88 |
| 45° | 121 | 124 | 132 | 137 | 139 | 93 |
| 55° | 94 | 98 | 104 | 110 | 112 | 85 |
| 65° | 66 | 68 | 72 | 76 | 77 | 65 |
| 75° | 35 | 36 | 38 | 40 | 41 | 37 |
| 85° | 6 | 8 | 10 | 14 | 14 | 8 |
| 90° | 0 | 1 | 4 | 6 | 6 | 1 |
| 95° | 11 | 11 | 12 | 14 | 14 | 14 |
| 105° | 62 | 65 | 70 | 74 | 76 | 66 |
| 115° | 122 | 127 | 138 | 145 | 148 | 120 |
| 125° | 174 | 182 | 196 | 205 | 210 | 156 |
| 135° | 219 | 226 | 240 | 251 | 256 | 169 |
| 145° | 255 | 260 | 272 | 280 | 285 | 159 |
| 155° | 281 | 284 | 291 | 297 | 300 | 129 |
| 165° | 297 | 297 | 301 | 303 | 304 | 84 |
| 175° | 304 | 302 | 302 | 300 | 298 | 29 |
| 180° | 300 | 300 | 300 | 300 | 300 | |



TEST NUMBER: P395037

CATALOG NUMBER: I3-FL-20L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 168.3 | 168.3 | 168.3 | 168.3 | 168.3 | 168.3 | 168.3 | 168.3 | 168.3 | 168.3 | 168.3 |
| 2.5° | 170.0 | 169.5 | 169.1 | 168.3 | 168.3 | 167.9 | 167.9 | 167.9 | 167.9 | 168.3 | 168.8 |
| 5° | 169.1 | 169.1 | 168.8 | 167.9 | 167.9 | 167.5 | 167.5 | 167.9 | 167.5 | 167.9 | 168.8 |
| 7.5° | 168.8 | 168.8 | 168.3 | 167.5 | 167.5 | 167.5 | 167.5 | 167.5 | 167.5 | 167.9 | 168.8 |
| 10° | 167.9 | 167.9 | 167.0 | 166.6 | 166.6 | 166.6 | 166.6 | 167.0 | 167.0 | 167.5 | 168.3 |
| 12.5° | 166.6 | 166.2 | 165.7 | 165.3 | 165.3 | 165.3 | 165.7 | 166.2 | 166.2 | 167.0 | 167.9 |
| 15° | 164.9 | 164.9 | 164.5 | 164.1 | 164.1 | 164.1 | 164.5 | 164.9 | 165.3 | 166.2 | 167.5 |
| 17.5° | 163.2 | 163.2 | 162.8 | 162.8 | 162.8 | 162.8 | 163.2 | 163.7 | 164.5 | 165.3 | 166.6 |
| 20° | 161.1 | 161.1 | 160.7 | 160.7 | 160.7 | 161.1 | 161.1 | 162.0 | 162.8 | 164.1 | 165.3 |
| 22.5° | 158.6 | 158.6 | 158.6 | 158.2 | 158.6 | 159.0 | 159.5 | 160.3 | 161.1 | 162.4 | 164.1 |
| 25° | 155.7 | 155.7 | 155.7 | 155.7 | 156.1 | 156.1 | 156.9 | 157.7 | 158.6 | 160.3 | 162.0 |
| 27.5° | 152.7 | 152.7 | 152.7 | 152.3 | 153.1 | 153.5 | 153.9 | 155.2 | 156.1 | 158.2 | 159.9 |
| 30° | 148.9 | 148.9 | 148.9 | 149.3 | 149.7 | 150.2 | 151.0 | 152.3 | 153.1 | 155.2 | 157.3 |
| 32.5° | 145.1 | 145.1 | 145.1 | 145.1 | 146.4 | 146.8 | 147.2 | 148.4 | 150.2 | 152.3 | 154.4 |
| 35° | 140.9 | 140.9 | 140.9 | 141.3 | 142.2 | 142.6 | 143.4 | 144.6 | 146.4 | 148.4 | 150.6 |
| 37.5° | 136.2 | 136.6 | 136.6 | 137.1 | 137.9 | 138.8 | 139.7 | 140.9 | 142.6 | 144.6 | 146.8 |
| 40° | 131.2 | 131.6 | 131.6 | 132.0 | 132.9 | 133.7 | 134.6 | 136.2 | 137.9 | 140.0 | 142.2 |
| 42.5° | 126.1 | 126.6 | 126.6 | 127.3 | 128.2 | 129.1 | 129.9 | 131.6 | 133.3 | 135.4 | 137.1 |
| 45° | 120.6 | 121.1 | 121.1 | 121.9 | 123.2 | 123.6 | 124.8 | 126.6 | 128.2 | 129.9 | 131.6 |
| 47.5° | 114.8 | 115.1 | 115.1 | 116.0 | 117.3 | 118.1 | 119.0 | 120.6 | 121.9 | 124.0 | 125.7 |
| 50° | 108.0 | 108.4 | 108.8 | 109.7 | 111.3 | 112.2 | 113.0 | 114.3 | 116.0 | 117.3 | 119.0 |
| 52.5° | 101.7 | 101.7 | 102.1 | 102.9 | 104.2 | 105.0 | 105.5 | 106.7 | 108.8 | 110.6 | 112.2 |
| 55° | 94.5 | 94.9 | 95.3 | 96.2 | 97.5 | 98.2 | 98.7 | 100.0 | 101.3 | 102.5 | 104.2 |
| 57.5° | 88.2 | 88.2 | 88.6 | 89.5 | 90.7 | 91.1 | 91.5 | 92.4 | 94.0 | 95.3 | 96.6 |
| 60° | 80.6 | 81.0 | 81.5 | 82.2 | 83.1 | 83.9 | 83.9 | 85.2 | 86.4 | 87.7 | 88.6 |
| 62.5° | 73.8 | 73.8 | 74.2 | 75.1 | 75.5 | 76.4 | 76.4 | 77.6 | 78.4 | 79.7 | 80.6 |
| 65° | 65.8 | 66.2 | 66.6 | 67.1 | 67.9 | 67.9 | 68.4 | 69.1 | 70.0 | 70.9 | 72.2 |
| 67.5° | 58.6 | 58.6 | 59.1 | 59.5 | 59.9 | 59.9 | 60.4 | 61.1 | 62.0 | 62.9 | 63.7 |
| 70° | 50.6 | 51.1 | 51.1 | 51.1 | 51.5 | 51.9 | 52.3 | 52.7 | 53.6 | 54.0 | 54.8 |
| 72.5° | 42.6 | 42.6 | 43.0 | 43.0 | 43.5 | 43.8 | 44.3 | 44.7 | 45.1 | 46.0 | 46.4 |
| 75° | 34.6 | 34.6 | 35.0 | 35.0 | 35.5 | 35.5 | 35.5 | 36.2 | 36.7 | 37.5 | 38.0 |
| 77.5° | 26.6 | 27.0 | 27.0 | 27.0 | 27.4 | 27.8 | 27.8 | 28.2 | 29.1 | 29.5 | 30.0 |
| 80° | 19.4 | 19.4 | 19.4 | 19.4 | 19.8 | 20.2 | 20.7 | 20.7 | 21.5 | 22.4 | 22.8 |
| 82.5° | 12.2 | 12.2 | 12.7 | 13.1 | 13.1 | 13.5 | 13.9 | 14.4 | 15.2 | 15.6 | 16.0 |
| 85° | 6.3 | 6.3 | 6.7 | 7.1 | 7.6 | 8.0 | 8.0 | 8.4 | 9.3 | 10.2 | 10.5 |
| 87.5° | 2.1 | 2.5 | 2.5 | 2.9 | 3.4 | 3.8 | 4.2 | 4.6 | 5.5 | 6.3 | 6.7 |
| 90° | 0.4 | 0.4 | 0.4 | 0.9 | 1.3 | 1.3 | 1.7 | 2.1 | 2.5 | 2.9 | 3.8 |
| 92.5° | 3.8 | 3.8 | 3.4 | 3.8 | 3.8 | 3.8 | 3.8 | 4.2 | 4.6 | 4.6 | 5.5 |
| 95° | 11.4 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 11.4 | 11.8 | 11.8 | 12.2 |
| 97.5° | 22.0 | 22.0 | 21.5 | 21.5 | 22.0 | 22.0 | 22.0 | 22.4 | 23.2 | 22.8 | 23.6 |
| 100° | 34.2 | 34.2 | 33.8 | 34.2 | 34.6 | 35.0 | 35.8 | 35.8 | 36.7 | 36.7 | 38.0 |
| 102.5° | 48.0 | 48.0 | 47.7 | 48.5 | 48.9 | 49.8 | 49.8 | 50.6 | 51.9 | 51.9 | 53.6 |
| 105° | 62.0 | 62.4 | 62.4 | 63.3 | 64.1 | 64.9 | 64.9 | 66.2 | 67.9 | 67.9 | 70.0 |
| 107.5° | 77.2 | 77.6 | 77.6 | 78.4 | 79.3 | 80.2 | 80.6 | 82.2 | 83.9 | 84.4 | 86.9 |
| 110° | 92.0 | 92.4 | 92.8 | 93.7 | 94.5 | 95.7 | 96.6 | 98.2 | 100.4 | 101.3 | 103.3 |



TEST NUMBER: P395037

CATALOG NUMBER: I3-FL-20L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 105.9 | 107.5 | 108.0 | 109.3 | 110.6 | 111.8 | 112.6 | 114.8 | 117.3 | 118.6 | 121.1 |
| 115° | 121.9 | 122.8 | 123.2 | 124.4 | 126.1 | 127.3 | 128.2 | 130.4 | 132.9 | 134.6 | 137.5 |
| 117.5° | 135.0 | 137.1 | 137.5 | 138.8 | 140.4 | 141.7 | 142.6 | 145.1 | 148.1 | 150.2 | 153.1 |
| 120° | 148.9 | 150.6 | 152.3 | 153.1 | 154.4 | 156.1 | 156.9 | 159.5 | 162.8 | 164.9 | 168.3 |
| 122.5° | 161.5 | 163.2 | 164.9 | 166.2 | 167.9 | 168.8 | 170.0 | 173.0 | 176.3 | 178.8 | 182.2 |
| 125° | 174.2 | 176.3 | 177.5 | 178.8 | 181.0 | 181.8 | 183.0 | 186.0 | 189.4 | 192.3 | 195.7 |
| 127.5° | 186.4 | 187.7 | 189.9 | 190.6 | 192.8 | 193.6 | 194.8 | 198.3 | 201.6 | 204.6 | 207.9 |
| 130° | 197.9 | 199.5 | 201.2 | 201.6 | 204.1 | 205.4 | 206.6 | 209.7 | 213.4 | 216.4 | 219.7 |
| 132.5° | 208.8 | 209.7 | 211.7 | 213.0 | 215.1 | 216.4 | 217.7 | 220.2 | 223.9 | 227.0 | 230.3 |
| 135° | 219.0 | 219.7 | 222.3 | 223.5 | 224.8 | 226.1 | 227.7 | 230.3 | 234.1 | 237.0 | 240.4 |
| 137.5° | 229.0 | 229.9 | 232.4 | 233.7 | 234.5 | 235.8 | 237.0 | 239.6 | 243.4 | 246.3 | 249.3 |
| 140° | 238.3 | 239.2 | 240.8 | 242.5 | 243.4 | 244.3 | 245.5 | 248.1 | 251.4 | 254.3 | 257.3 |
| 142.5° | 246.8 | 247.6 | 249.3 | 251.0 | 252.3 | 252.3 | 253.5 | 255.6 | 259.4 | 262.3 | 264.9 |
| 145° | 254.8 | 255.2 | 256.8 | 258.6 | 260.3 | 260.3 | 260.7 | 262.8 | 266.1 | 269.5 | 272.1 |
| 147.5° | 262.3 | 262.8 | 264.1 | 265.7 | 267.0 | 267.4 | 268.3 | 269.1 | 272.5 | 275.9 | 278.8 |
| 150° | 269.1 | 269.5 | 270.4 | 272.1 | 272.9 | 273.7 | 274.6 | 275.0 | 277.6 | 280.5 | 283.9 |
| 152.5° | 275.0 | 275.4 | 276.3 | 277.6 | 278.4 | 279.2 | 280.1 | 281.4 | 282.6 | 285.6 | 287.7 |
| 155° | 280.9 | 281.4 | 281.8 | 283.0 | 283.9 | 284.3 | 284.7 | 286.4 | 287.7 | 289.4 | 291.4 |
| 157.5° | 286.0 | 286.0 | 286.4 | 287.2 | 288.1 | 288.1 | 288.5 | 290.2 | 291.4 | 293.2 | 294.4 |
| 160° | 290.2 | 290.2 | 290.6 | 291.4 | 291.4 | 291.9 | 292.3 | 293.6 | 294.4 | 296.5 | 298.3 |
| 162.5° | 294.0 | 293.6 | 294.0 | 294.4 | 294.4 | 294.4 | 294.8 | 295.7 | 297.0 | 298.6 | 300.3 |
| 165° | 297.0 | 297.0 | 297.0 | 297.4 | 297.4 | 297.0 | 297.0 | 297.8 | 298.6 | 299.9 | 301.2 |
| 167.5° | 299.5 | 299.5 | 299.0 | 299.5 | 299.0 | 299.0 | 298.6 | 299.0 | 299.5 | 300.7 | 301.6 |
| 170° | 301.6 | 301.2 | 301.2 | 301.2 | 300.7 | 300.3 | 300.3 | 300.3 | 300.3 | 301.2 | 302.0 |
| 172.5° | 303.2 | 302.8 | 302.5 | 302.5 | 301.6 | 301.2 | 301.2 | 300.7 | 300.7 | 301.2 | 301.6 |
| 175° | 303.7 | 303.2 | 302.8 | 302.8 | 302.0 | 301.6 | 301.2 | 301.2 | 300.7 | 301.2 | 301.6 |
| 177.5° | 304.5 | 304.1 | 303.2 | 303.2 | 302.5 | 301.6 | 301.6 | 301.2 | 300.7 | 301.2 | 301.2 |
| 180° | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 |



TEST NUMBER: P395037

CATALOG NUMBER: I3-FL-20L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 168.3 | 168.3 | 168.3 | 168.3 | 168.3 | 168.3 | 168.3 | 168.3 | 168.3 | 168.3 |
| 2.5° | 169.1 | 169.1 | 168.8 | 168.3 | 168.3 | 167.9 | 167.5 | 167.0 | 166.6 | 166.2 |
| 5° | 169.1 | 168.8 | 168.3 | 168.3 | 167.9 | 167.9 | 167.9 | 167.5 | 167.0 | 167.0 |
| 7.5° | 169.1 | 169.1 | 168.8 | 168.3 | 168.3 | 168.3 | 168.3 | 168.3 | 167.9 | 167.9 |
| 10° | 169.1 | 168.8 | 168.8 | 168.8 | 168.3 | 168.8 | 168.8 | 168.3 | 168.3 | 167.9 |
| 12.5° | 168.8 | 168.8 | 168.8 | 168.8 | 168.8 | 168.8 | 168.8 | 168.8 | 168.8 | 168.3 |
| 15° | 167.9 | 168.3 | 168.3 | 168.8 | 168.8 | 168.8 | 169.1 | 169.1 | 168.8 | 168.8 |
| 17.5° | 167.5 | 167.9 | 168.3 | 168.8 | 168.8 | 168.8 | 169.1 | 169.1 | 169.1 | 169.1 |
| 20° | 166.6 | 167.0 | 167.5 | 167.9 | 167.9 | 168.3 | 168.3 | 168.8 | 168.8 | 168.8 |
| 22.5° | 164.9 | 165.3 | 166.2 | 166.6 | 167.0 | 167.5 | 167.9 | 167.9 | 167.9 | 167.9 |
| 25° | 163.2 | 164.1 | 164.5 | 165.3 | 165.7 | 166.2 | 166.6 | 166.6 | 166.6 | 167.0 |
| 27.5° | 161.1 | 162.0 | 163.2 | 163.7 | 164.1 | 164.5 | 164.9 | 165.3 | 165.3 | 165.3 |
| 30° | 158.6 | 159.9 | 160.7 | 161.5 | 162.0 | 162.4 | 162.8 | 162.8 | 163.2 | 163.2 |
| 32.5° | 155.7 | 156.9 | 157.7 | 158.6 | 159.0 | 159.5 | 160.3 | 160.3 | 160.7 | 160.7 |
| 35° | 151.9 | 153.1 | 154.4 | 155.2 | 155.7 | 156.1 | 156.9 | 157.3 | 157.3 | 157.3 |
| 37.5° | 148.1 | 149.3 | 150.6 | 151.9 | 152.3 | 152.7 | 153.5 | 153.5 | 153.9 | 153.9 |
| 40° | 143.4 | 144.6 | 145.9 | 147.2 | 147.2 | 148.1 | 148.4 | 148.9 | 149.3 | 149.3 |
| 42.5° | 138.8 | 140.0 | 140.9 | 142.2 | 142.6 | 143.0 | 143.4 | 144.2 | 144.2 | 144.6 |
| 45° | 133.3 | 134.6 | 135.4 | 136.6 | 137.1 | 137.5 | 138.4 | 138.8 | 139.2 | 139.2 |
| 47.5° | 127.3 | 128.2 | 129.1 | 130.4 | 131.2 | 131.6 | 132.0 | 132.4 | 132.9 | 132.4 |
| 50° | 120.6 | 121.5 | 122.8 | 124.0 | 124.4 | 124.8 | 125.7 | 125.7 | 126.1 | 126.1 |
| 52.5° | 113.5 | 114.8 | 115.5 | 116.8 | 117.3 | 117.7 | 118.6 | 118.6 | 119.0 | 119.0 |
| 55° | 105.5 | 106.3 | 107.1 | 109.3 | 109.7 | 110.1 | 110.9 | 110.9 | 111.3 | 111.8 |
| 57.5° | 97.9 | 98.2 | 99.5 | 100.4 | 101.3 | 101.3 | 101.7 | 102.1 | 102.5 | 102.5 |
| 60° | 89.8 | 90.2 | 91.1 | 92.4 | 92.4 | 92.8 | 93.7 | 93.7 | 94.0 | 94.0 |
| 62.5° | 81.5 | 82.2 | 83.1 | 84.4 | 83.9 | 84.4 | 85.2 | 85.2 | 85.6 | 85.6 |
| 65° | 73.0 | 73.4 | 74.2 | 75.1 | 75.5 | 75.5 | 75.9 | 76.4 | 76.8 | 76.8 |
| 67.5° | 64.1 | 64.9 | 65.3 | 66.6 | 66.2 | 66.6 | 67.1 | 67.1 | 67.5 | 67.5 |
| 70° | 55.7 | 56.1 | 56.9 | 57.3 | 57.3 | 57.8 | 58.2 | 58.2 | 58.2 | 58.6 |
| 72.5° | 47.3 | 47.7 | 48.0 | 48.5 | 48.5 | 48.9 | 49.3 | 49.3 | 49.8 | 49.8 |
| 75° | 38.4 | 39.3 | 39.7 | 40.5 | 40.0 | 40.5 | 41.3 | 41.3 | 41.3 | 41.3 |
| 77.5° | 30.8 | 31.3 | 32.0 | 32.5 | 32.5 | 32.5 | 33.3 | 32.9 | 33.3 | 33.3 |
| 80° | 23.2 | 23.6 | 24.5 | 24.9 | 24.9 | 25.3 | 25.7 | 25.7 | 25.7 | 26.2 |
| 82.5° | 16.4 | 17.3 | 18.2 | 18.6 | 18.6 | 18.9 | 19.4 | 19.4 | 19.8 | 19.8 |
| 85° | 11.4 | 12.2 | 13.1 | 13.1 | 13.5 | 13.9 | 14.4 | 14.4 | 14.4 | 14.4 |
| 87.5° | 7.6 | 8.0 | 8.4 | 8.9 | 9.3 | 9.3 | 9.7 | 9.7 | 10.2 | 10.2 |
| 90° | 4.2 | 4.6 | 5.1 | 5.5 | 5.5 | 5.9 | 5.9 | 6.3 | 6.3 | 6.3 |
| 92.5° | 5.9 | 5.9 | 6.3 | 6.7 | 6.7 | 6.7 | 6.7 | 7.1 | 7.1 | 7.1 |
| 95° | 12.7 | 13.1 | 13.1 | 13.9 | 13.9 | 13.9 | 14.4 | 14.4 | 14.4 | 14.4 |
| 97.5° | 24.5 | 24.5 | 24.5 | 25.3 | 25.3 | 25.3 | 25.7 | 25.7 | 25.7 | 26.2 |
| 100° | 38.4 | 38.8 | 38.8 | 40.0 | 39.7 | 40.5 | 40.5 | 40.5 | 40.5 | 40.9 |
| 102.5° | 54.0 | 54.8 | 55.3 | 56.5 | 56.5 | 56.5 | 57.3 | 56.9 | 57.3 | 57.3 |
| 105° | 70.9 | 71.7 | 72.2 | 73.4 | 74.2 | 74.2 | 75.1 | 74.6 | 75.1 | 75.5 |
| 107.5° | 87.7 | 89.0 | 89.8 | 91.1 | 92.0 | 92.4 | 92.4 | 92.8 | 93.2 | 93.7 |
| 110° | 105.0 | 106.3 | 108.4 | 109.7 | 110.1 | 110.9 | 111.3 | 111.8 | 112.2 | 113.0 |



TEST NUMBER: P395037

CATALOG NUMBER: I3-FL-20L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 123.2 | 124.4 | 126.1 | 127.8 | 127.3 | 128.6 | 129.5 | 129.9 | 130.4 | 129.9 |
| 115° | 139.7 | 141.3 | 143.0 | 144.6 | 144.6 | 145.5 | 147.2 | 147.7 | 147.7 | 148.4 |
| 117.5° | 155.2 | 157.3 | 159.0 | 160.7 | 161.1 | 162.0 | 163.2 | 164.5 | 164.5 | 165.3 |
| 120° | 170.4 | 173.0 | 174.6 | 176.3 | 177.2 | 177.5 | 178.8 | 180.6 | 180.6 | 180.6 |
| 122.5° | 184.8 | 186.8 | 189.0 | 190.6 | 191.5 | 192.3 | 193.2 | 195.3 | 195.3 | 196.1 |
| 125° | 198.3 | 200.8 | 202.9 | 204.6 | 205.4 | 206.3 | 207.9 | 209.2 | 209.7 | 209.7 |
| 127.5° | 210.9 | 213.4 | 215.5 | 217.7 | 218.1 | 219.0 | 220.6 | 222.3 | 222.7 | 223.2 |
| 130° | 222.7 | 225.2 | 227.4 | 229.5 | 230.3 | 230.7 | 232.8 | 234.1 | 235.0 | 235.4 |
| 132.5° | 233.2 | 235.8 | 237.9 | 240.0 | 240.8 | 241.7 | 243.0 | 245.0 | 245.5 | 245.5 |
| 135° | 243.0 | 245.5 | 247.6 | 250.1 | 250.6 | 251.4 | 253.0 | 254.3 | 255.2 | 255.6 |
| 137.5° | 251.8 | 254.3 | 256.8 | 259.0 | 259.8 | 260.3 | 261.9 | 263.6 | 264.5 | 264.9 |
| 140° | 259.8 | 262.3 | 264.9 | 266.6 | 267.0 | 268.3 | 269.5 | 271.2 | 272.1 | 272.5 |
| 142.5° | 267.4 | 269.5 | 271.6 | 273.7 | 274.1 | 275.0 | 276.3 | 277.9 | 278.8 | 279.2 |
| 145° | 274.1 | 276.3 | 277.9 | 279.7 | 280.1 | 280.9 | 282.1 | 283.4 | 284.3 | 284.7 |
| 147.5° | 280.5 | 282.1 | 283.9 | 285.2 | 285.6 | 286.4 | 287.2 | 288.1 | 289.0 | 289.4 |
| 150° | 286.0 | 286.8 | 288.5 | 289.4 | 289.8 | 290.6 | 291.4 | 292.3 | 293.2 | 293.6 |
| 152.5° | 290.2 | 291.4 | 292.3 | 293.6 | 294.0 | 294.4 | 295.2 | 296.1 | 297.0 | 297.0 |
| 155° | 293.6 | 294.8 | 295.7 | 297.0 | 297.4 | 297.8 | 298.6 | 299.0 | 299.9 | 299.9 |
| 157.5° | 296.1 | 297.4 | 298.3 | 299.0 | 299.5 | 299.9 | 300.3 | 301.2 | 302.0 | 302.0 |
| 160° | 299.0 | 299.5 | 299.9 | 300.7 | 300.7 | 301.2 | 301.6 | 302.0 | 302.8 | 302.8 |
| 162.5° | 301.6 | 302.0 | 301.2 | 301.6 | 301.2 | 301.6 | 302.0 | 302.5 | 302.8 | 302.8 |
| 165° | 302.5 | 303.2 | 302.8 | 303.2 | 303.2 | 303.2 | 303.2 | 303.7 | 303.7 | 303.7 |
| 167.5° | 302.5 | 303.2 | 302.8 | 302.8 | 303.2 | 303.2 | 303.7 | 304.1 | 304.1 | 304.1 |
| 170° | 302.5 | 302.8 | 302.5 | 302.0 | 302.5 | 302.5 | 302.5 | 302.8 | 302.8 | 302.8 |
| 172.5° | 302.0 | 302.5 | 301.6 | 301.2 | 301.2 | 301.2 | 300.7 | 300.7 | 300.3 | 300.3 |
| 175° | 301.6 | 301.6 | 300.7 | 300.3 | 300.3 | 300.3 | 299.5 | 299.0 | 298.6 | 298.3 |
| 177.5° | 301.2 | 301.2 | 299.9 | 299.5 | 299.5 | 299.0 | 299.0 | 298.3 | 298.3 | 297.8 |
| 180° | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 |

(END OF REPORT)