

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: 1,706

Luminaire Tested: **JW-WL-1N5-1C-UNV-SU-WA-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: 1,706  
Test Lab: TUV SUD America  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: JW-WL-1N5-1C-UNV-SU-WA-4  
Description: Jaylum Wall, clear linear prismatic lens, Fluorescent  
Light Source: J11306999  
F28T5  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 2800 (1 lamp)  
Luminaire Lumens: 2080.3 lumens  
Efficiency: 74.3%  
Efficacy: 70.3 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.33  
Luminous Opening: Rectangular (W 3.62' x L: 0.09' x H: 0')  
CIE Type: Semi-Indirect

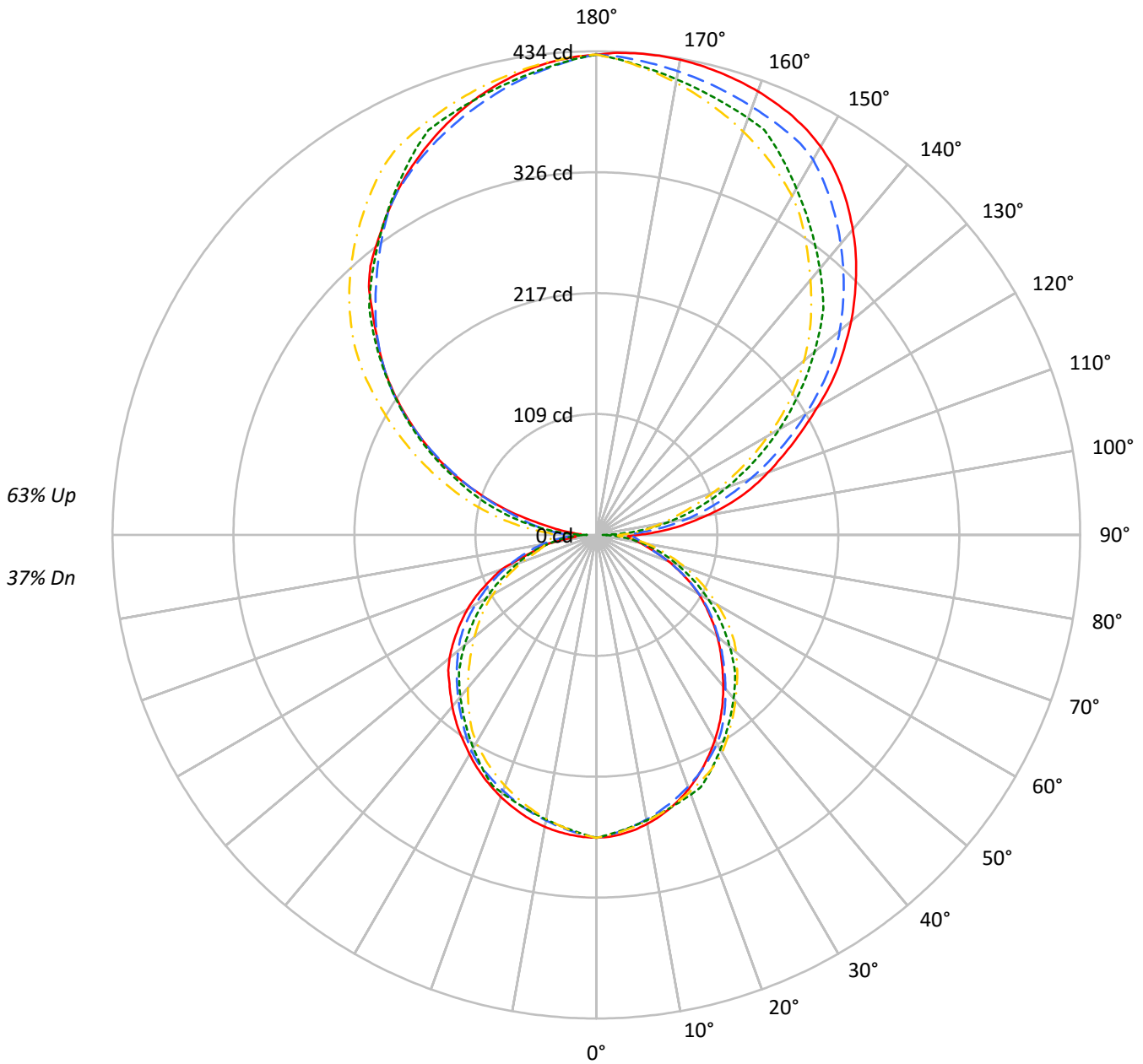
Input Watts (W): 29.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: 1,706

CATALOG NUMBER: JW-WL-1N5-1C-UNV-SU-WA-4

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - · - · 90°-270°    - - - - 135°-315°



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**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   | 77 | 77 | 77 | 77 | 70 | 70 | 70 | 70 | 57 | 57 | 57 | 44 | 44 | 44 | 33 | 33 | 33 | 28 |
| 1   | 70 | 67 | 64 | 61 | 63 | 61 | 58 | 56 | 49 | 47 | 46 | 38 | 37 | 36 | 29 | 28 | 27 | 23 |
| 2   | 64 | 58 | 54 | 50 | 58 | 53 | 49 | 45 | 43 | 40 | 37 | 33 | 32 | 30 | 25 | 24 | 23 | 19 |
| 3   | 58 | 51 | 45 | 41 | 52 | 46 | 42 | 38 | 38 | 34 | 31 | 29 | 27 | 25 | 22 | 20 | 19 | 16 |
| 4   | 53 | 45 | 39 | 35 | 48 | 41 | 36 | 32 | 33 | 29 | 27 | 26 | 23 | 21 | 20 | 18 | 16 | 13 |
| 5   | 49 | 40 | 34 | 29 | 44 | 36 | 31 | 27 | 30 | 26 | 23 | 23 | 21 | 18 | 18 | 16 | 14 | 11 |
| 6   | 45 | 36 | 30 | 25 | 40 | 33 | 27 | 24 | 27 | 23 | 20 | 21 | 18 | 16 | 16 | 14 | 12 | 10 |
| 7   | 41 | 32 | 26 | 22 | 37 | 29 | 24 | 21 | 24 | 20 | 17 | 19 | 16 | 14 | 14 | 12 | 11 | 9  |
| 8   | 38 | 29 | 23 | 19 | 34 | 27 | 22 | 18 | 22 | 18 | 15 | 17 | 15 | 12 | 13 | 11 | 10 | 8  |
| 9   | 35 | 26 | 21 | 17 | 32 | 24 | 19 | 16 | 20 | 16 | 14 | 16 | 13 | 11 | 12 | 10 | 9  | 7  |
| 10  | 33 | 24 | 19 | 15 | 30 | 22 | 17 | 14 | 18 | 15 | 12 | 15 | 12 | 10 | 11 | 9  | 8  | 6  |

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

|     | 0°    | 90°  | 180° | 270° |
|-----|-------|------|------|------|
| 0°  | 8586  | 8586 | 8586 | 8586 |
| 5°  | 8543  | 8438 | 8568 | 8422 |
| 10° | 8449  | 8340 | 8532 | 8317 |
| 15° | 8320  | 8303 | 8473 | 8271 |
| 20° | 8152  | 8337 | 8414 | 8293 |
| 25° | 7957  | 8288 | 8355 | 8236 |
| 30° | 7755  | 8112 | 8295 | 8054 |
| 35° | 7535  | 7979 | 8276 | 7913 |
| 40° | 7303  | 7897 | 8289 | 7823 |
| 45° | 7103  | 7867 | 8336 | 7782 |
| 50° | 6959  | 7676 | 8448 | 7583 |
| 55° | 6796  | 7501 | 8421 | 7396 |
| 60° | 6703  | 7341 | 8441 | 7215 |
| 65° | 6495  | 7183 | 8342 | 7041 |
| 70° | 6308  | 7112 | 8349 | 6992 |
| 75° | 6273  | 7201 | 7299 | 7189 |
| 80° | 7095  | 7458 | 7549 | 7659 |
| 85° | 10692 | 8372 | 6705 | 9206 |



TEST NUMBER: 1,706

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture | % Lamp |
|-----------|--------|-----------|--------|
| 0°-10°    | 25.3   | 1.2       | 0.9    |
| 10°-20°   | 71.4   | 3.4       | 2.6    |
| 20°-30°   | 107.4  | 5.2       | 3.8    |
| 30°-40°   | 127.6  | 6.1       | 4.6    |
| 40°-50°   | 132.4  | 6.4       | 4.7    |
| 50°-60°   | 121.0  | 5.8       | 4.3    |
| 60°-70°   | 94.8   | 4.6       | 3.4    |
| 70°-80°   | 62.1   | 3.0       | 2.2    |
| 80°-90°   | 33.8   | 1.6       | 1.2    |
| 90°-100°  | 49.1   | 2.4       | 1.8    |
| 100°-110° | 105.8  | 5.1       | 3.8    |
| 110°-120° | 163.0  | 7.8       | 5.8    |
| 120°-130° | 208.5  | 10.0      | 7.4    |
| 130°-140° | 228.2  | 11.0      | 8.1    |
| 140°-150° | 216.3  | 10.4      | 7.7    |
| 150°-160° | 177.7  | 8.5       | 6.3    |
| 160°-170° | 115.7  | 5.6       | 4.1    |
| 170°-180° | 40.4   | 1.9       | 1.4    |
| 0°-30°    | 204.1  | 9.8       | 7.3    |
| 0°-40°    | 331.6  | 15.9      | 11.8   |
| 0°-60°    | 585.0  | 28.1      | 20.9   |
| 0°-90°    | 775.7  | 37.3      | 27.7   |
| 90°-120°  | 317.8  | 15.3      | 11.4   |
| 90°-150°  | 970.8  | 46.7      | 34.7   |
| 90°-180°  | 1305.0 | 62.7      | 46.6   |
| 0°-180°   | 2080.3 | 100.0     | 74.3   |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0°   | 272 | 272 | 272  | 272  | 272  |      |
| 5°   | 269 | 266 | 270  | 266  | 269  | 26   |
| 15°  | 254 | 254 | 259  | 253  | 254  | 72   |
| 25°  | 228 | 238 | 240  | 236  | 228  | 105  |
| 35°  | 195 | 207 | 215  | 205  | 195  | 122  |
| 45°  | 159 | 176 | 187  | 174  | 159  | 123  |
| 55°  | 123 | 136 | 153  | 134  | 123  | 111  |
| 65°  | 87  | 96  | 112  | 94   | 87   | 86   |
| 75°  | 51  | 59  | 60   | 59   | 51   | 55   |
| 85°  | 30  | 23  | 18   | 25   | 30   | 26   |
| 90°  | 38  | 5   | 15   | 9    | 38   | 22   |
| 95°  | 69  | 35  | 22   | 38   | 69   | 62   |
| 105° | 135 | 95  | 79   | 96   | 135  | 141  |
| 115° | 194 | 156 | 153  | 157  | 194  | 193  |
| 125° | 266 | 222 | 222  | 223  | 266  | 237  |
| 135° | 329 | 288 | 284  | 288  | 329  | 254  |
| 145° | 383 | 335 | 335  | 335  | 383  | 239  |
| 155° | 415 | 383 | 376  | 382  | 415  | 191  |
| 165° | 429 | 407 | 407  | 406  | 429  | 121  |
| 175° | 434 | 423 | 427  | 423  | 434  | 41   |
| 180° | 431 | 431 | 431  | 431  | 431  |      |



TEST NUMBER: 1,706

CATALOG NUMBER: JW-WL-1N5-1C-UNV-SU-WA-4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  | 202.5° | 225°  |
|--------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 0°     | 271.8 | 271.8 | 271.8 | 271.8 | 271.8 | 271.8  | 271.8 | 271.8  | 271.8 | 271.8  | 271.8 |
| 2.5°   | 271.1 | 270.2 | 269.5 | 269.1 | 269.0 | 269.2  | 269.6 | 270.4  | 271.3 | 270.2  | 269.4 |
| 5°     | 269.4 | 267.6 | 266.4 | 266.1 | 266.1 | 266.3  | 267.0 | 268.2  | 270.2 | 268.1  | 266.6 |
| 7.5°   | 266.8 | 264.3 | 263.1 | 262.9 | 263.1 | 263.3  | 264.0 | 265.6  | 268.4 | 265.4  | 263.6 |
| 10°    | 263.4 | 260.3 | 259.3 | 259.6 | 260.0 | 260.2  | 260.7 | 262.6  | 266.0 | 262.3  | 260.3 |
| 12.5°  | 259.2 | 255.7 | 255.1 | 256.1 | 257.0 | 257.0  | 257.3 | 259.0  | 263.0 | 258.7  | 256.8 |
| 15°    | 254.4 | 250.4 | 250.5 | 252.5 | 253.9 | 253.8  | 253.6 | 254.8  | 259.1 | 254.4  | 253.0 |
| 17.5°  | 248.7 | 244.6 | 245.6 | 248.8 | 250.9 | 250.4  | 249.6 | 250.3  | 254.9 | 249.7  | 248.8 |
| 20°    | 242.5 | 238.3 | 240.5 | 245.1 | 248.0 | 247.0  | 245.3 | 245.4  | 250.3 | 244.7  | 244.4 |
| 22.5°  | 235.7 | 231.5 | 235.0 | 241.2 | 245.0 | 243.2  | 240.8 | 240.2  | 245.1 | 239.5  | 239.8 |
| 25°    | 228.3 | 224.3 | 229.2 | 235.8 | 237.8 | 237.8  | 236.3 | 234.8  | 239.7 | 233.9  | 235.1 |
| 27.5°  | 220.6 | 216.8 | 222.9 | 228.1 | 230.1 | 230.7  | 231.7 | 229.0  | 233.8 | 228.1  | 230.3 |
| 30°    | 212.6 | 209.1 | 216.4 | 219.6 | 222.4 | 223.4  | 225.5 | 222.9  | 227.4 | 221.9  | 224.0 |
| 32.5°  | 204.2 | 201.0 | 208.7 | 211.2 | 214.7 | 215.7  | 217.9 | 216.5  | 220.9 | 215.5  | 216.3 |
| 35°    | 195.4 | 192.6 | 199.4 | 202.8 | 206.9 | 207.9  | 209.9 | 210.3  | 214.6 | 209.2  | 208.3 |
| 37.5°  | 186.3 | 184.1 | 189.8 | 194.4 | 199.2 | 200.0  | 202.0 | 204.1  | 208.0 | 203.0  | 200.5 |
| 40°    | 177.1 | 175.4 | 180.2 | 185.9 | 191.5 | 192.3  | 194.1 | 197.8  | 201.0 | 196.6  | 192.6 |
| 42.5°  | 167.8 | 166.7 | 170.6 | 177.5 | 183.8 | 184.6  | 186.3 | 191.3  | 193.7 | 190.1  | 184.8 |
| 45°    | 159.0 | 158.3 | 161.2 | 169.2 | 176.1 | 177.0  | 178.6 | 184.5  | 186.6 | 183.3  | 177.0 |
| 47.5°  | 150.3 | 150.2 | 151.9 | 160.6 | 166.3 | 168.7  | 171.0 | 176.5  | 180.2 | 175.0  | 169.3 |
| 50°    | 141.6 | 141.6 | 142.8 | 150.7 | 156.2 | 159.2  | 163.4 | 168.4  | 171.9 | 166.3  | 161.7 |
| 52.5°  | 132.7 | 131.9 | 133.9 | 140.3 | 146.2 | 149.7  | 155.7 | 158.4  | 162.5 | 157.9  | 154.0 |
| 55°    | 123.4 | 122.2 | 125.3 | 130.0 | 136.2 | 140.2  | 146.2 | 146.0  | 152.9 | 149.0  | 145.0 |
| 57.5°  | 114.9 | 112.6 | 116.2 | 119.9 | 126.2 | 130.6  | 135.8 | 132.3  | 143.3 | 139.3  | 135.2 |
| 60°    | 106.1 | 103.2 | 106.4 | 109.9 | 116.2 | 121.1  | 125.3 | 118.5  | 133.6 | 129.4  | 125.3 |
| 62.5°  | 96.6  | 93.7  | 96.8  | 99.9  | 106.1 | 111.6  | 114.8 | 105.0  | 123.1 | 119.4  | 115.5 |
| 65°    | 86.9  | 84.3  | 87.2  | 90.2  | 96.1  | 102.2  | 104.6 | 92.3   | 111.6 | 109.7  | 105.7 |
| 67.5°  | 77.6  | 75.4  | 77.6  | 80.5  | 86.1  | 92.9   | 94.5  | 80.8   | 100.6 | 99.8   | 95.9  |
| 70°    | 68.3  | 66.7  | 68.2  | 71.6  | 77.0  | 83.6   | 84.4  | 68.9   | 90.4  | 89.2   | 86.1  |
| 72.5°  | 59.3  | 57.9  | 58.8  | 64.0  | 68.0  | 74.3   | 74.3  | 58.8   | 71.9  | 78.6   | 76.6  |
| 75°    | 51.4  | 49.1  | 50.7  | 57.0  | 59.0  | 65.1   | 64.7  | 51.0   | 59.8  | 68.1   | 67.3  |
| 77.5°  | 44.7  | 41.7  | 45.6  | 50.0  | 50.0  | 55.8   | 55.3  | 44.7   | 50.2  | 57.8   | 58.3  |
| 80°    | 39.0  | 35.3  | 42.0  | 43.0  | 41.0  | 46.5   | 46.2  | 38.6   | 41.5  | 48.2   | 49.3  |
| 82.5°  | 33.9  | 30.8  | 38.8  | 36.2  | 32.1  | 37.2   | 37.1  | 31.9   | 24.9  | 39.5   | 40.4  |
| 85°    | 29.5  | 31.5  | 35.8  | 29.3  | 23.1  | 27.9   | 28.2  | 25.2   | 18.5  | 31.3   | 31.5  |
| 87.5°  | 28.3  | 35.2  | 33.0  | 22.5  | 14.1  | 18.6   | 19.3  | 18.6   | 19.8  | 23.3   | 22.7  |
| 90°    | 38.0  | 39.2  | 30.2  | 15.6  | 5.1   | 15.7   | 20.8  | 18.7   | 15.1  | 22.6   | 23.9  |
| 92.5°  | 52.7  | 46.4  | 35.5  | 24.8  | 20.0  | 27.5   | 30.3  | 21.4   | 13.9  | 24.6   | 32.9  |
| 95°    | 68.7  | 61.8  | 51.2  | 41.2  | 35.0  | 39.3   | 39.9  | 24.8   | 22.0  | 27.0   | 42.0  |
| 97.5°  | 84.0  | 77.4  | 66.8  | 57.5  | 49.9  | 51.2   | 49.6  | 32.0   | 32.1  | 31.4   | 51.5  |
| 100°   | 100.5 | 93.2  | 82.5  | 73.7  | 64.8  | 63.2   | 59.6  | 45.4   | 43.5  | 39.3   | 61.3  |
| 102.5° | 118.2 | 108.8 | 98.2  | 90.0  | 79.8  | 75.2   | 69.9  | 61.2   | 58.6  | 49.5   | 71.5  |
| 105°   | 134.7 | 123.9 | 114.0 | 106.3 | 94.8  | 87.3   | 81.7  | 78.0   | 79.0  | 61.7   | 83.8  |
| 107.5° | 149.6 | 139.4 | 130.1 | 122.6 | 109.8 | 99.6   | 96.2  | 95.5   | 97.4  | 76.5   | 99.2  |
| 110°   | 164.0 | 156.0 | 146.8 | 138.9 | 124.8 | 112.6  | 112.0 | 112.5  | 115.4 | 93.2   | 116.2 |



TEST NUMBER: 1,706

CATALOG NUMBER: JW-WL-1N5-1C-UNV-SU-WA-4

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  | 202.5° | 225°  |
|--------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 112.5° | 178.5 | 173.4 | 164.1 | 155.6 | 139.8 | 127.8  | 128.1 | 128.8  | 134.7 | 112.2  | 133.3 |
| 115°   | 194.4 | 189.8 | 181.5 | 172.7 | 156.3 | 144.2  | 144.5 | 145.5  | 152.6 | 133.6  | 150.9 |
| 117.5° | 211.0 | 205.8 | 199.1 | 189.9 | 172.8 | 160.6  | 161.2 | 162.4  | 169.9 | 155.3  | 169.1 |
| 120°   | 228.8 | 222.2 | 216.9 | 207.0 | 189.3 | 177.3  | 178.2 | 179.6  | 187.3 | 178.2  | 187.5 |
| 122.5° | 247.9 | 239.7 | 234.9 | 224.0 | 205.8 | 193.9  | 195.6 | 196.9  | 204.5 | 200.2  | 206.0 |
| 125°   | 265.6 | 257.0 | 253.2 | 241.1 | 222.3 | 210.6  | 212.1 | 213.8  | 221.6 | 219.0  | 223.0 |
| 127.5° | 281.5 | 274.4 | 270.1 | 258.0 | 238.9 | 227.2  | 227.8 | 230.2  | 238.1 | 236.1  | 238.3 |
| 130°   | 298.5 | 292.1 | 285.0 | 274.5 | 255.4 | 243.9  | 243.1 | 247.2  | 253.2 | 253.4  | 252.9 |
| 132.5° | 314.1 | 309.6 | 299.5 | 290.9 | 271.9 | 259.8  | 258.0 | 263.5  | 267.7 | 269.8  | 267.0 |
| 135°   | 329.4 | 325.5 | 313.8 | 304.2 | 288.0 | 273.4  | 272.0 | 279.5  | 284.4 | 285.1  | 280.2 |
| 137.5° | 344.3 | 338.5 | 327.6 | 315.8 | 299.9 | 286.6  | 285.3 | 293.5  | 302.0 | 298.1  | 293.1 |
| 140°   | 357.8 | 350.8 | 341.0 | 327.2 | 311.8 | 299.8  | 298.7 | 304.5  | 315.3 | 308.6  | 306.3 |
| 142.5° | 370.9 | 362.6 | 354.0 | 338.5 | 323.6 | 313.0  | 312.3 | 314.5  | 325.2 | 318.6  | 319.6 |
| 145°   | 382.9 | 373.6 | 366.5 | 349.8 | 335.4 | 326.2  | 326.3 | 325.0  | 335.4 | 329.2  | 333.1 |
| 147.5° | 393.6 | 383.4 | 378.2 | 361.1 | 347.2 | 339.2  | 340.0 | 336.0  | 346.2 | 339.9  | 346.2 |
| 150°   | 402.4 | 391.8 | 388.8 | 372.2 | 359.0 | 352.3  | 351.2 | 346.4  | 356.6 | 350.0  | 356.4 |
| 152.5° | 409.4 | 399.0 | 396.2 | 382.6 | 370.9 | 365.3  | 360.4 | 356.3  | 366.4 | 359.4  | 364.7 |
| 155°   | 415.2 | 405.0 | 400.6 | 392.5 | 382.7 | 377.1  | 369.3 | 366.0  | 375.5 | 368.6  | 372.8 |
| 157.5° | 419.6 | 410.2 | 404.8 | 399.6 | 393.5 | 385.4  | 377.4 | 375.4  | 384.3 | 377.4  | 380.3 |
| 160°   | 423.7 | 414.5 | 408.8 | 404.0 | 398.1 | 391.2  | 385.2 | 384.3  | 392.5 | 385.9  | 387.4 |
| 162.5° | 426.8 | 418.3 | 412.6 | 407.7 | 402.3 | 396.7  | 392.5 | 392.6  | 400.2 | 393.9  | 394.2 |
| 165°   | 429.4 | 421.8 | 416.2 | 411.3 | 406.6 | 402.2  | 399.4 | 400.4  | 407.3 | 401.3  | 400.6 |
| 167.5° | 431.6 | 424.8 | 419.5 | 414.9 | 410.9 | 407.5  | 406.0 | 407.6  | 413.5 | 408.2  | 406.8 |
| 170°   | 433.0 | 427.3 | 422.4 | 418.4 | 415.1 | 412.7  | 412.0 | 413.9  | 419.0 | 414.3  | 412.6 |
| 172.5° | 433.7 | 429.2 | 425.2 | 421.9 | 419.3 | 417.8  | 417.6 | 419.4  | 423.4 | 419.7  | 418.0 |
| 175°   | 433.7 | 430.5 | 427.6 | 425.2 | 423.4 | 422.6  | 422.6 | 424.2  | 427.0 | 424.3  | 422.8 |
| 177.5° | 433.1 | 431.4 | 429.8 | 428.5 | 427.6 | 427.2  | 427.4 | 428.2  | 429.5 | 428.2  | 427.5 |
| 180°   | 431.0 | 431.0 | 431.0 | 431.0 | 431.0 | 431.0  | 431.0 | 431.0  | 431.0 | 431.0  | 431.0 |



TEST NUMBER: 1,706

CATALOG NUMBER: JW-WL-1N5-1C-UNV-SU-WA-4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°  | 292.5° | 315°  | 337.5° | 360°  |
|--------|--------|-------|--------|-------|--------|-------|
| 0°     | 271.8  | 271.8 | 271.8  | 271.8 | 271.8  | 271.8 |
| 2.5°   | 268.9  | 268.7 | 268.8  | 269.3 | 270.0  | 271.1 |
| 5°     | 265.8  | 265.6 | 265.7  | 266.1 | 267.4  | 269.4 |
| 7.5°   | 262.8  | 262.5 | 262.4  | 262.6 | 264.0  | 266.8 |
| 10°    | 259.5  | 259.3 | 258.9  | 258.7 | 260.0  | 263.4 |
| 12.5°  | 256.2  | 256.1 | 255.2  | 254.4 | 255.3  | 259.2 |
| 15°    | 252.9  | 252.9 | 251.5  | 249.8 | 250.0  | 254.4 |
| 17.5°  | 249.5  | 249.7 | 247.7  | 244.8 | 244.2  | 248.7 |
| 20°    | 246.1  | 246.7 | 243.8  | 239.6 | 237.8  | 242.5 |
| 22.5°  | 242.1  | 243.5 | 239.8  | 234.0 | 231.0  | 235.7 |
| 25°    | 236.6  | 236.3 | 234.3  | 228.1 | 223.8  | 228.3 |
| 27.5°  | 229.4  | 228.5 | 226.6  | 221.8 | 216.3  | 220.6 |
| 30°    | 221.9  | 220.8 | 218.2  | 215.2 | 208.6  | 212.6 |
| 32.5°  | 214.0  | 213.0 | 209.8  | 207.6 | 200.6  | 204.2 |
| 35°    | 206.2  | 205.2 | 201.4  | 198.3 | 192.2  | 195.4 |
| 37.5°  | 198.3  | 197.4 | 192.8  | 188.8 | 183.8  | 186.3 |
| 40°    | 190.5  | 189.7 | 184.4  | 179.3 | 175.1  | 177.1 |
| 42.5°  | 182.8  | 182.0 | 175.9  | 169.9 | 166.6  | 167.8 |
| 45°    | 175.0  | 174.2 | 167.5  | 160.6 | 158.3  | 159.0 |
| 47.5°  | 166.6  | 164.4 | 158.9  | 151.6 | 150.3  | 150.3 |
| 50°    | 157.1  | 154.3 | 149.1  | 142.8 | 142.0  | 141.6 |
| 52.5°  | 147.6  | 144.3 | 138.9  | 134.1 | 132.4  | 132.7 |
| 55°    | 138.0  | 134.3 | 128.9  | 125.7 | 123.0  | 123.4 |
| 57.5°  | 128.5  | 124.2 | 119.0  | 116.9 | 113.6  | 114.9 |
| 60°    | 119.0  | 114.2 | 109.3  | 107.4 | 104.2  | 106.1 |
| 62.5°  | 109.6  | 104.2 | 99.8   | 97.9  | 95.1   | 96.6  |
| 65°    | 100.2  | 94.2  | 90.4   | 88.4  | 86.3   | 86.9  |
| 67.5°  | 90.8   | 84.1  | 81.1   | 79.1  | 77.5   | 77.6  |
| 70°    | 81.7   | 75.7  | 72.6   | 70.0  | 68.7   | 68.3  |
| 72.5°  | 72.7   | 67.3  | 65.9   | 60.9  | 60.0   | 59.3  |
| 75°    | 63.8   | 58.9  | 59.8   | 53.3  | 51.9   | 51.4  |
| 77.5°  | 54.8   | 50.5  | 53.7   | 48.7  | 45.0   | 44.7  |
| 80°    | 45.8   | 42.1  | 47.7   | 45.8  | 39.1   | 39.0  |
| 82.5°  | 36.8   | 33.8  | 41.7   | 43.4  | 35.1   | 33.9  |
| 85°    | 27.8   | 25.4  | 35.8   | 41.1  | 35.9   | 29.5  |
| 87.5°  | 18.8   | 17.0  | 29.8   | 39.2  | 39.6   | 28.3  |
| 90°    | 16.6   | 8.7   | 23.9   | 37.2  | 43.6   | 38.0  |
| 92.5°  | 29.6   | 23.2  | 33.1   | 42.8  | 50.8   | 52.7  |
| 95°    | 42.7   | 37.9  | 49.0   | 58.1  | 66.4   | 68.7  |
| 97.5°  | 55.9   | 52.5  | 64.9   | 73.4  | 82.3   | 84.0  |
| 100°   | 69.2   | 67.2  | 80.8   | 88.7  | 98.2   | 100.5 |
| 102.5° | 82.6   | 81.8  | 96.6   | 104.1 | 113.5  | 118.2 |
| 105°   | 96.1   | 96.5  | 112.4  | 119.6 | 127.9  | 134.7 |
| 107.5° | 109.8  | 111.2 | 128.3  | 135.2 | 142.7  | 149.6 |
| 110°   | 124.0  | 125.8 | 144.1  | 151.6 | 158.7  | 164.0 |





TEST NUMBER: 1,706

CATALOG NUMBER: JW-WL-1N5-1C-UNV-SU-WA-4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°  | 292.5° | 315°  | 337.5° | 360°  |
|--------|--------|-------|--------|-------|--------|-------|
| 112.5° | 139.6  | 140.5 | 160.0  | 168.4 | 175.5  | 178.5 |
| 115°   | 155.8  | 157.0 | 175.8  | 185.4 | 191.9  | 194.4 |
| 117.5° | 172.0  | 173.5 | 191.6  | 202.7 | 207.9  | 211.0 |
| 120°   | 188.1  | 189.9 | 207.2  | 220.1 | 224.1  | 228.8 |
| 122.5° | 204.2  | 206.4 | 222.8  | 237.8 | 241.3  | 247.9 |
| 125°   | 220.4  | 222.8 | 238.3  | 255.6 | 258.7  | 265.6 |
| 127.5° | 236.6  | 239.2 | 253.8  | 272.1 | 276.0  | 281.5 |
| 130°   | 252.8  | 255.6 | 269.0  | 286.5 | 293.4  | 298.5 |
| 132.5° | 268.2  | 272.0 | 284.2  | 300.2 | 310.7  | 314.1 |
| 135°   | 281.2  | 288.1 | 297.2  | 313.4 | 326.4  | 329.4 |
| 137.5° | 293.6  | 300.0 | 309.0  | 325.9 | 339.2  | 344.3 |
| 140°   | 305.9  | 311.7 | 320.7  | 337.9 | 351.2  | 357.8 |
| 142.5° | 318.3  | 323.5 | 332.3  | 349.4 | 362.4  | 370.9 |
| 145°   | 330.8  | 335.3 | 343.9  | 360.6 | 372.6  | 382.9 |
| 147.5° | 343.2  | 347.1 | 355.5  | 371.5 | 381.4  | 393.6 |
| 150°   | 355.7  | 358.9 | 366.9  | 381.9 | 389.1  | 402.4 |
| 152.5° | 368.2  | 370.7 | 377.8  | 389.8 | 395.8  | 409.4 |
| 155°   | 379.5  | 382.5 | 388.2  | 395.2 | 401.6  | 415.2 |
| 157.5° | 387.4  | 393.3 | 396.0  | 400.3 | 407.1  | 419.6 |
| 160°   | 392.7  | 397.9 | 401.1  | 405.1 | 412.0  | 423.7 |
| 162.5° | 397.9  | 402.2 | 405.4  | 409.7 | 416.3  | 426.8 |
| 165°   | 403.1  | 406.5 | 409.6  | 413.9 | 420.3  | 429.4 |
| 167.5° | 408.2  | 410.8 | 413.7  | 417.8 | 423.7  | 431.6 |
| 170°   | 413.2  | 415.0 | 417.6  | 421.4 | 426.5  | 433.0 |
| 172.5° | 418.0  | 419.3 | 421.4  | 424.6 | 428.7  | 433.7 |
| 175°   | 422.7  | 423.4 | 425.0  | 427.4 | 430.3  | 433.7 |
| 177.5° | 427.2  | 427.6 | 428.4  | 429.8 | 431.4  | 433.1 |
| 180°   | 431.0  | 431.0 | 431.0  | 431.0 | 431.0  | 431.0 |

(END OF REPORT)