

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: FAIL-SAFE

Report Number: P550798

Luminaire Tested: **FCC-X-2-LD4-1LO-35-UNV-93-87-ED1D**

Issue Date: 7/9/2021

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P550798  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2105-248-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FCC-X-2-LD4-1LO-35-UNV-93-87-ED1D  
Description: FCC CORNER MOUNT LUMINAIRE WITH .156 CLEAR TEMPERED GLASS FIXTURE  
SIDE AND .375 CLEAR PC ENVIRONMENTAL SIDE LENSES AND 3500K, AND 80 CRI  
LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

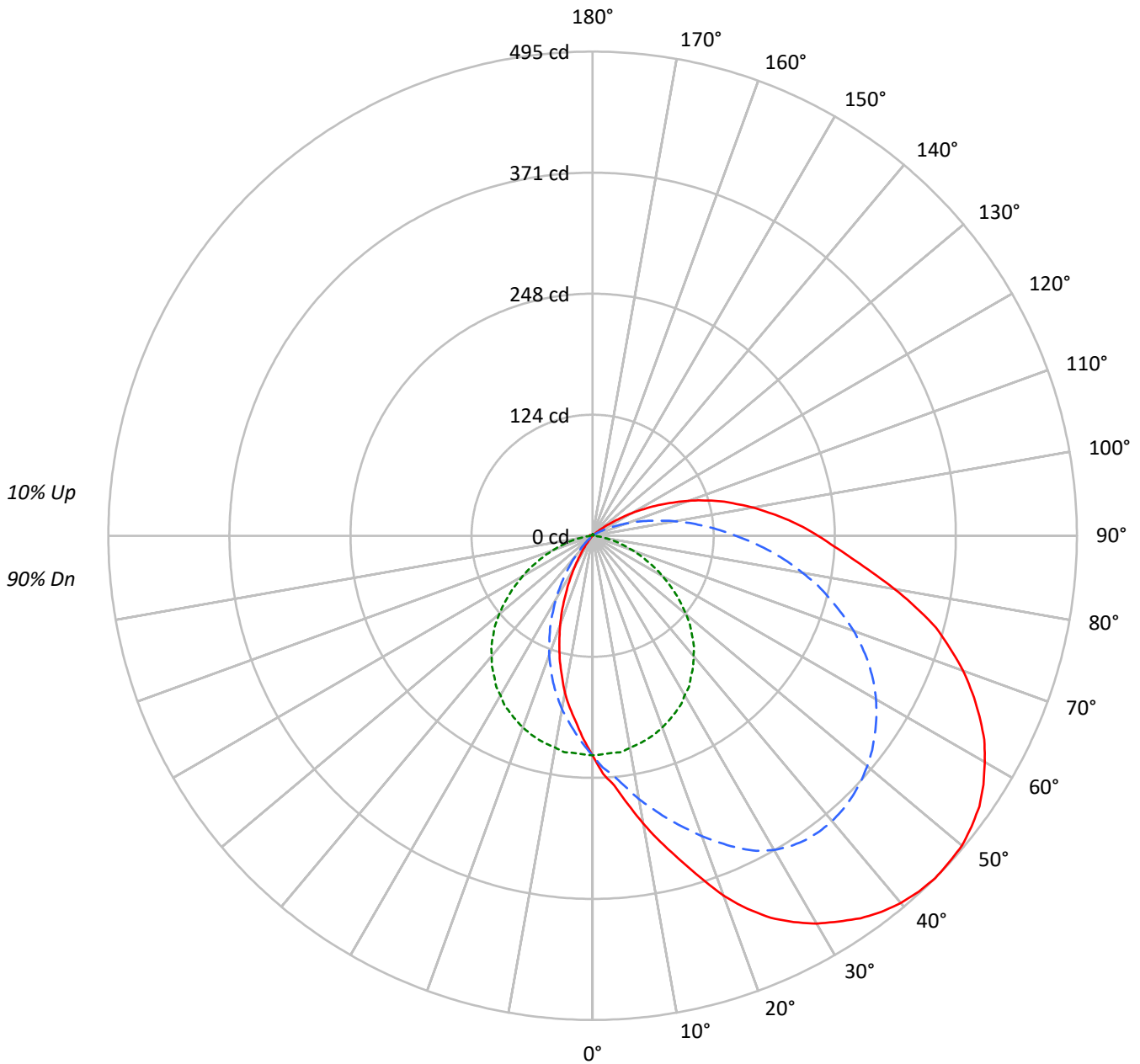
Lumens per Lamp: N/A  
Luminaire Lumens: 1110.0 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Spacing Criteria (0/90/45): 1.66 / 1.25 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 0.5' x H: 0.25')  
CIE Type: Semi-Direct

Input Watts (W): 11.7  
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: P550798

CATALOG NUMBER: FCC-X-2-LD4-1LO-35-UNV-93-87-ED1D

### Luminous Intensity Polar Plot





TEST NUMBER: P550798

CATALOG NUMBER: FCC-X-2-LD4-1LO-35-UNV-93-87-ED1D

**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   | 117 | 117 | 117 | 117 | 113 | 113 | 113 | 113 | 105 | 105 | 105 | 99 | 99 | 99 | 93 | 93 | 93 | 93 | 93 | 93 | 90 |
| 1   | 103 | 96  | 91  | 86  | 99  | 93  | 88  | 83  | 87  | 83  | 79  | 81 | 78 | 74 | 76 | 73 | 70 | 76 | 73 | 70 | 67 |
| 2   | 92  | 82  | 74  | 67  | 88  | 79  | 72  | 65  | 74  | 67  | 62  | 69 | 64 | 59 | 64 | 60 | 56 | 64 | 60 | 56 | 53 |
| 3   | 83  | 71  | 61  | 54  | 79  | 68  | 60  | 53  | 64  | 56  | 50  | 59 | 53 | 48 | 55 | 50 | 46 | 55 | 50 | 46 | 43 |
| 4   | 75  | 62  | 52  | 44  | 72  | 60  | 51  | 44  | 56  | 48  | 42  | 52 | 45 | 40 | 49 | 43 | 38 | 49 | 43 | 38 | 36 |
| 5   | 69  | 55  | 45  | 38  | 66  | 53  | 44  | 37  | 50  | 42  | 35  | 46 | 39 | 34 | 43 | 38 | 33 | 43 | 38 | 33 | 30 |
| 6   | 63  | 49  | 39  | 32  | 61  | 47  | 38  | 32  | 44  | 36  | 31  | 42 | 35 | 29 | 39 | 33 | 28 | 39 | 33 | 28 | 26 |
| 7   | 58  | 44  | 35  | 28  | 56  | 43  | 34  | 28  | 40  | 32  | 27  | 38 | 31 | 26 | 36 | 29 | 25 | 36 | 29 | 25 | 23 |
| 8   | 54  | 40  | 31  | 25  | 52  | 39  | 30  | 24  | 37  | 29  | 24  | 34 | 28 | 23 | 32 | 26 | 22 | 32 | 26 | 22 | 20 |
| 9   | 51  | 36  | 28  | 22  | 49  | 35  | 27  | 22  | 33  | 26  | 21  | 32 | 25 | 20 | 30 | 24 | 20 | 30 | 24 | 20 | 18 |
| 10  | 47  | 33  | 25  | 20  | 45  | 33  | 25  | 19  | 31  | 24  | 19  | 29 | 23 | 18 | 28 | 22 | 18 | 28 | 22 | 18 | 16 |

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

|     | 0°   | 90°  | 180° |
|-----|------|------|------|
| 0°  | 2416 | 2416 | 2416 |
| 5°  | 2653 | 2381 | 1987 |
| 10° | 3002 | 2353 | 1637 |
| 15° | 3365 | 2323 | 1277 |
| 20° | 3795 | 2284 | 940  |
| 25° | 4151 | 2240 | 617  |
| 30° | 4416 | 2182 | 347  |
| 35° | 4646 | 2118 | 153  |
| 40° | 4850 | 2041 | 37   |
| 45° | 5024 | 1943 | 0    |
| 50° | 5171 | 1813 | 0    |
| 55° | 5283 | 1648 | 0    |
| 60° | 5339 | 1458 | 0    |
| 65° | 5361 | 1241 | 0    |
| 70° | 5343 | 1012 | 0    |
| 75° | 5275 | 746  | 4    |
| 80° | 5062 | 457  | 23   |
| 85° | 4892 | 219  | 31   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 21.5   | 1.9       |
| 10°-20°   | 64.4   | 5.8       |
| 20°-30°   | 104.3  | 9.4       |
| 30°-40°   | 134.0  | 12.1      |
| 40°-50°   | 151.6  | 13.7      |
| 50°-60°   | 157.1  | 14.2      |
| 60°-70°   | 148.2  | 13.3      |
| 70°-80°   | 124.2  | 11.2      |
| 80°-90°   | 90.0   | 8.1       |
| 90°-100°  | 59.2   | 5.3       |
| 100°-110° | 34.2   | 3.1       |
| 110°-120° | 15.1   | 1.4       |
| 120°-130° | 4.1    | 0.4       |
| 130°-140° | 0.9    | 0.1       |
| 140°-150° | 0.6    | 0.1       |
| 150°-160° | 0.4    | 0.0       |
| 160°-170° | 0.2    | 0.0       |
| 170°-180° | 0.1    | 0.0       |
| 0°-30°    | 190.2  | 17.1      |
| 0°-40°    | 324.1  | 29.2      |
| 0°-60°    | 632.9  | 57.0      |
| 0°-90°    | 995.2  | 89.7      |
| 90°-120°  | 108.4  | 9.8       |
| 90°-150°  | 114.0  | 10.3      |
| 90°-180°  | 115.0  | 10.4      |
| 0°-180°   | 1110.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 45° | 90° | 135° | 180° | Flux |
|------|-----|-----|-----|------|------|------|
| 0°   | 224 | 224 | 224 | 224  | 224  |      |
| 5°   | 256 | 246 | 223 | 202  | 192  | 26   |
| 15°  | 342 | 300 | 215 | 156  | 130  | 99   |
| 25°  | 431 | 352 | 200 | 102  | 64   | 199  |
| 35°  | 477 | 380 | 175 | 50   | 16   | 299  |
| 45°  | 495 | 376 | 144 | 11   | 0    | 382  |
| 55°  | 482 | 352 | 104 | 0    | 0    | 431  |
| 65°  | 436 | 312 | 62  | 0    | 0    | 432  |
| 75°  | 364 | 252 | 26  | 0    | 0    | 381  |
| 85°  | 266 | 182 | 4   | 1    | 2    | 227  |
| 90°  | 230 | 146 | 1   | 2    | 2    | 126  |
| 95°  | 198 | 114 | 1   | 2    | 3    | 155  |
| 105° | 136 | 59  | 1   | 1    | 2    | 144  |
| 115° | 74  | 20  | 1   | 1    | 1    | 74   |
| 125° | 22  | 3   | 1   | 1    | 1    | 22   |
| 135° | 1   | 1   | 1   | 1    | 1    | 2    |
| 145° | 0   | 1   | 1   | 1    | 1    | 0    |
| 155° | 1   | 1   | 1   | 1    | 0    | 0    |
| 165° | 1   | 1   | 1   | 1    | 0    | 0    |
| 175° | 1   | 1   | 1   | 1    | 0    | 0    |
| 180° | 1   | 1   | 1   | 1    | 1    |      |



TEST NUMBER: P550798

CATALOG NUMBER: FCC-X-2-LD4-1LO-35-UNV-93-87-ED1D

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 30°   | 40°   | 50°   | 60°   | 70°   | 80°   | 90°   | 112.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 224.5 | 224.5 | 224.5 | 224.5 | 224.5 | 224.5 | 224.5 | 224.5 | 224.5 | 224.5 | 224.5  |
| 2.5°   | 243.4 | 243.1 | 242.3 | 240.8 | 238.8 | 235.4 | 232.5 | 230.0 | 226.5 | 223.7 | 218.2  |
| 5°     | 256.3 | 254.8 | 253.7 | 252.3 | 247.7 | 244.5 | 239.4 | 233.7 | 228.2 | 222.8 | 211.9  |
| 7.5°   | 276.9 | 274.6 | 272.9 | 268.9 | 262.6 | 255.4 | 247.4 | 242.0 | 238.3 | 223.1 | 204.5  |
| 10°    | 298.9 | 296.9 | 293.5 | 286.3 | 278.6 | 268.3 | 256.8 | 244.0 | 232.5 | 220.0 | 197.9  |
| 12.5°  | 320.6 | 317.8 | 312.9 | 303.8 | 292.9 | 280.0 | 264.3 | 249.1 | 232.8 | 217.9 | 190.2  |
| 15°    | 342.4 | 339.2 | 334.1 | 322.9 | 308.6 | 291.7 | 272.6 | 253.4 | 234.3 | 215.4 | 182.2  |
| 17.5°  | 366.1 | 361.8 | 354.1 | 341.5 | 323.5 | 302.6 | 280.0 | 256.8 | 233.7 | 212.2 | 173.6  |
| 20°    | 391.6 | 385.6 | 377.3 | 360.4 | 339.2 | 314.6 | 287.5 | 260.3 | 233.4 | 208.5 | 163.9  |
| 22.5°  | 412.7 | 406.7 | 397.6 | 380.1 | 354.7 | 324.6 | 293.7 | 262.6 | 232.2 | 204.2 | 154.7  |
| 25°    | 431.0 | 426.2 | 416.2 | 396.1 | 369.3 | 335.2 | 299.7 | 264.3 | 230.5 | 199.6 | 145.0  |
| 27.5°  | 445.3 | 440.8 | 429.6 | 409.0 | 381.6 | 344.7 | 304.3 | 265.1 | 228.2 | 195.1 | 135.0  |
| 30°    | 457.9 | 453.3 | 439.9 | 418.7 | 389.8 | 352.1 | 308.9 | 265.4 | 225.4 | 188.2 | 124.1  |
| 32.5°  | 467.6 | 463.4 | 449.6 | 427.0 | 395.6 | 357.2 | 311.5 | 265.1 | 221.7 | 183.3 | 112.4  |
| 35°    | 477.4 | 473.1 | 457.1 | 433.0 | 399.9 | 359.5 | 313.5 | 263.7 | 217.1 | 175.3 | 101.3  |
| 37.5°  | 484.8 | 479.9 | 463.6 | 437.0 | 401.9 | 360.1 | 313.2 | 261.7 | 212.2 | 168.8 | 90.1   |
| 40°    | 490.0 | 484.8 | 467.4 | 439.3 | 402.4 | 359.2 | 310.9 | 258.3 | 206.5 | 160.5 | 78.4   |
| 42.5°  | 493.4 | 487.7 | 469.1 | 442.8 | 401.3 | 357.0 | 307.5 | 254.0 | 200.2 | 153.3 | 67.2   |
| 45°    | 495.1 | 489.1 | 469.4 | 439.9 | 399.3 | 352.7 | 302.3 | 248.6 | 193.4 | 143.6 | 56.1   |
| 47.5°  | 494.2 | 487.7 | 467.9 | 436.8 | 395.6 | 348.1 | 296.6 | 242.0 | 185.1 | 135.0 | 45.5   |
| 50°    | 492.8 | 485.9 | 464.8 | 432.7 | 390.4 | 342.4 | 290.3 | 234.0 | 176.5 | 124.4 | 36.0   |
| 52.5°  | 488.2 | 481.4 | 461.4 | 427.0 | 384.4 | 335.8 | 281.7 | 225.7 | 167.3 | 114.1 | 27.5   |
| 55°    | 482.5 | 476.2 | 455.3 | 421.9 | 376.7 | 327.8 | 273.7 | 216.8 | 158.5 | 103.5 | 19.7   |
| 57.5°  | 473.7 | 467.9 | 447.9 | 413.6 | 369.0 | 318.9 | 264.9 | 207.1 | 147.3 | 93.0  | 13.7   |
| 60°    | 462.8 | 457.1 | 437.6 | 404.1 | 360.1 | 308.9 | 255.1 | 197.1 | 137.3 | 82.4  | 8.6    |
| 62.5°  | 451.3 | 445.9 | 425.6 | 392.4 | 348.9 | 298.3 | 244.5 | 187.1 | 126.7 | 72.6  | 5.1    |
| 65°    | 436.2 | 431.0 | 412.7 | 378.4 | 336.6 | 286.9 | 232.8 | 175.0 | 115.8 | 61.8  | 2.9    |
| 67.5°  | 420.2 | 415.6 | 397.0 | 365.5 | 322.3 | 274.3 | 220.8 | 163.3 | 104.4 | 52.3  | 1.4    |
| 70°    | 403.0 | 397.3 | 380.1 | 348.1 | 307.8 | 260.0 | 207.7 | 151.3 | 93.5  | 43.2  | 0.0    |
| 72.5°  | 383.0 | 378.7 | 362.1 | 331.8 | 290.9 | 244.8 | 194.2 | 138.1 | 81.5  | 34.3  | 0.3    |
| 75°    | 363.5 | 358.1 | 342.9 | 314.3 | 274.3 | 228.8 | 179.3 | 125.8 | 69.8  | 26.3  | 0.3    |
| 77.5°  | 338.4 | 336.6 | 322.3 | 294.6 | 258.6 | 213.4 | 163.0 | 111.0 | 58.6  | 18.9  | 0.3    |
| 80°    | 313.2 | 311.5 | 300.3 | 274.9 | 240.3 | 195.1 | 147.9 | 97.0  | 47.8  | 12.6  | 0.3    |
| 82.5°  | 288.3 | 286.0 | 275.4 | 254.3 | 221.7 | 179.6 | 132.1 | 82.9  | 37.8  | 7.7   | 0.3    |
| 85°    | 266.0 | 263.1 | 251.7 | 232.2 | 202.5 | 162.2 | 115.8 | 69.2  | 28.0  | 4.3   | 0.6    |
| 87.5°  | 246.8 | 244.8 | 232.2 | 212.2 | 183.1 | 145.9 | 101.5 | 56.1  | 19.7  | 2.0   | 0.9    |
| 90°    | 230.5 | 226.2 | 215.1 | 193.9 | 164.7 | 127.9 | 86.4  | 44.9  | 13.2  | 1.1   | 1.1    |
| 92.5°  | 214.5 | 210.8 | 198.5 | 176.8 | 148.4 | 112.4 | 71.8  | 34.3  | 8.3   | 0.6   | 1.4    |
| 95°    | 197.9 | 193.9 | 181.9 | 161.9 | 131.9 | 96.7  | 58.9  | 25.2  | 4.6   | 0.6   | 1.4    |
| 97.5°  | 181.6 | 177.9 | 165.3 | 145.3 | 117.0 | 82.9  | 46.6  | 17.7  | 2.3   | 0.6   | 1.1    |
| 100°   | 166.5 | 162.2 | 150.7 | 130.7 | 102.1 | 69.2  | 36.0  | 11.4  | 1.4   | 0.6   | 1.1    |
| 102.5° | 150.4 | 147.0 | 135.3 | 115.8 | 86.7  | 56.3  | 26.9  | 7.2   | 0.6   | 0.6   | 0.9    |
| 105°   | 136.1 | 131.9 | 120.4 | 100.4 | 73.8  | 44.3  | 18.9  | 4.3   | 0.6   | 0.6   | 0.9    |



TEST NUMBER: P550798

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 10°  | 20°  | 30°  | 40°  | 50°  | 60° | 70° | 80° | 90° | 112.5° |
|--------|------|------|------|------|------|------|-----|-----|-----|-----|--------|
| 112.5° | 88.7 | 85.2 | 75.2 | 58.3 | 37.5 | 17.4 | 5.1 | 0.9 | 0.9 | 0.9 | 0.9    |
| 115°   | 74.1 | 68.9 | 60.1 | 45.2 | 27.7 | 11.4 | 2.6 | 0.9 | 0.9 | 0.9 | 0.9    |
| 117.5° | 59.2 | 54.9 | 48.6 | 34.3 | 18.3 | 7.4  | 1.4 | 0.9 | 0.9 | 0.9 | 0.9    |
| 120°   | 46.3 | 42.3 | 35.2 | 23.7 | 12.3 | 4.3  | 0.6 | 0.9 | 0.9 | 0.9 | 0.9    |
| 122.5° | 33.2 | 30.0 | 23.7 | 15.4 | 7.4  | 2.0  | 0.9 | 0.9 | 1.1 | 1.1 | 0.9    |
| 125°   | 22.0 | 20.3 | 15.7 | 9.4  | 4.6  | 0.9  | 0.9 | 0.9 | 1.1 | 1.1 | 0.9    |
| 127.5° | 14.3 | 12.9 | 9.2  | 5.4  | 2.0  | 0.9  | 0.9 | 1.1 | 1.1 | 1.1 | 0.9    |
| 130°   | 8.0  | 7.2  | 5.4  | 3.1  | 0.9  | 0.9  | 0.9 | 1.1 | 1.1 | 1.1 | 0.9    |
| 132.5° | 4.6  | 4.3  | 2.9  | 0.6  | 0.9  | 0.9  | 0.9 | 1.1 | 1.1 | 1.1 | 1.1    |
| 135°   | 1.1  | 0.6  | 0.6  | 0.6  | 0.9  | 0.9  | 1.1 | 1.1 | 1.4 | 1.4 | 1.1    |
| 137.5° | 0.3  | 0.3  | 0.6  | 0.6  | 0.9  | 0.9  | 1.1 | 1.4 | 1.4 | 1.4 | 1.1    |
| 140°   | 0.3  | 0.3  | 0.6  | 0.9  | 0.9  | 0.9  | 1.1 | 1.4 | 1.4 | 1.4 | 1.1    |
| 142.5° | 0.3  | 0.6  | 0.6  | 0.9  | 0.9  | 1.1  | 1.1 | 1.4 | 1.4 | 1.1 | 1.1    |
| 145°   | 0.3  | 0.6  | 0.6  | 0.9  | 0.9  | 1.1  | 1.1 | 1.4 | 1.1 | 1.1 | 1.1    |
| 147.5° | 0.6  | 0.6  | 0.6  | 0.9  | 0.9  | 1.1  | 1.1 | 1.4 | 1.4 | 1.1 | 1.1    |
| 150°   | 0.3  | 0.6  | 0.6  | 0.9  | 1.1  | 1.1  | 1.1 | 1.4 | 1.1 | 1.1 | 1.1    |
| 152.5° | 0.3  | 0.6  | 0.6  | 0.9  | 1.1  | 1.1  | 1.1 | 1.4 | 1.1 | 1.1 | 1.1    |
| 155°   | 0.6  | 0.6  | 0.6  | 0.9  | 1.1  | 1.1  | 1.1 | 1.4 | 1.1 | 1.1 | 1.4    |
| 157.5° | 0.6  | 0.6  | 0.6  | 0.9  | 1.1  | 1.1  | 1.1 | 1.4 | 1.1 | 1.1 | 1.4    |
| 160°   | 0.6  | 0.6  | 0.6  | 0.9  | 0.9  | 1.1  | 1.1 | 1.1 | 1.1 | 1.1 | 1.1    |
| 162.5° | 0.6  | 0.6  | 0.6  | 0.9  | 0.9  | 1.1  | 1.1 | 1.1 | 1.1 | 1.1 | 1.1    |
| 165°   | 0.6  | 0.6  | 0.6  | 0.6  | 0.9  | 0.9  | 1.1 | 1.1 | 1.1 | 1.1 | 1.1    |
| 167.5° | 0.6  | 0.6  | 0.6  | 0.9  | 0.9  | 0.9  | 1.1 | 1.1 | 1.1 | 1.1 | 1.1    |
| 170°   | 0.6  | 0.6  | 0.6  | 0.9  | 0.9  | 0.9  | 1.1 | 1.4 | 1.4 | 1.4 | 1.4    |
| 172.5° | 0.6  | 0.6  | 0.6  | 0.9  | 0.9  | 1.1  | 1.1 | 1.4 | 1.4 | 1.4 | 1.4    |
| 175°   | 0.6  | 0.6  | 0.6  | 0.9  | 0.9  | 1.1  | 1.1 | 1.4 | 1.4 | 1.4 | 1.4    |
| 177.5° | 0.3  | 0.6  | 0.6  | 0.9  | 0.9  | 1.1  | 1.1 | 1.4 | 1.4 | 1.4 | 1.1    |
| 180°   | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9 | 0.9 | 0.9 | 0.9 | 0.9    |



TEST NUMBER: P550798

CATALOG NUMBER: FCC-X-2-LD4-1LO-35-UNV-93-87-ED1D

**CANDELA DISTRIBUTION (continued):**

|        | 135°  | 157.5° | 180°  |
|--------|-------|--------|-------|
| 0°     | 224.5 | 224.5  | 224.5 |
| 2.5°   | 213.7 | 209.7  | 208.5 |
| 5°     | 202.2 | 195.6  | 191.9 |
| 7.5°   | 190.8 | 181.9  | 177.6 |
| 10°    | 180.2 | 167.6  | 163.0 |
| 12.5°  | 167.6 | 153.0  | 145.9 |
| 15°    | 155.6 | 136.7  | 129.9 |
| 17.5°  | 142.2 | 121.0  | 113.0 |
| 20°    | 129.6 | 105.3  | 97.0  |
| 22.5°  | 115.3 | 89.8   | 80.7  |
| 25°    | 102.4 | 74.4   | 64.1  |
| 27.5°  | 88.1  | 58.6   | 49.8  |
| 30°    | 74.7  | 44.9   | 36.0  |
| 32.5°  | 61.8  | 32.9   | 24.9  |
| 35°    | 49.8  | 22.3   | 15.7  |
| 37.5°  | 38.3  | 13.7   | 8.0   |
| 40°    | 27.7  | 7.2    | 3.7   |
| 42.5°  | 18.6  | 3.4    | 2.0   |
| 45°    | 11.4  | 1.7    | 0.0   |
| 47.5°  | 6.6   | 0.0    | 0.0   |
| 50°    | 3.4   | 0.0    | 0.0   |
| 52.5°  | 1.4   | 0.0    | 0.0   |
| 55°    | 0.0   | 0.0    | 0.0   |
| 57.5°  | 0.0   | 0.0    | 0.0   |
| 60°    | 0.0   | 0.0    | 0.0   |
| 62.5°  | 0.0   | 0.0    | 0.0   |
| 65°    | 0.0   | 0.0    | 0.0   |
| 67.5°  | 0.0   | 0.0    | 0.0   |
| 70°    | 0.0   | 0.0    | 0.0   |
| 72.5°  | 0.0   | 0.0    | 0.0   |
| 75°    | 0.3   | 0.3    | 0.3   |
| 77.5°  | 0.3   | 0.6    | 0.9   |
| 80°    | 0.6   | 1.1    | 1.4   |
| 82.5°  | 1.1   | 1.4    | 1.4   |
| 85°    | 1.1   | 1.4    | 1.7   |
| 87.5°  | 1.4   | 1.7    | 2.0   |
| 90°    | 1.7   | 2.0    | 2.0   |
| 92.5°  | 1.7   | 2.3    | 2.3   |
| 95°    | 2.0   | 2.3    | 2.6   |
| 97.5°  | 2.3   | 2.6    | 2.6   |
| 100°   | 2.0   | 2.6    | 2.9   |
| 102.5° | 1.7   | 2.6    | 2.6   |
| 105°   | 1.4   | 2.0    | 2.3   |





TEST NUMBER: P550798

CATALOG NUMBER: FCC-X-2-LD4-1LO-35-UNV-93-87-ED1D

**CANDELA DISTRIBUTION (continued):**

|        | 135° | 157.5° | 180° |
|--------|------|--------|------|
| 112.5° | 1.1  | 1.4    | 1.4  |
| 115°   | 0.9  | 1.1    | 1.4  |
| 117.5° | 0.9  | 1.1    | 1.1  |
| 120°   | 0.9  | 0.9    | 1.1  |
| 122.5° | 0.9  | 0.9    | 1.1  |
| 125°   | 0.9  | 0.9    | 1.1  |
| 127.5° | 1.1  | 0.9    | 0.9  |
| 130°   | 0.9  | 0.9    | 0.9  |
| 132.5° | 1.1  | 0.9    | 0.9  |
| 135°   | 1.1  | 0.9    | 0.9  |
| 137.5° | 1.1  | 0.9    | 0.9  |
| 140°   | 1.1  | 0.9    | 0.9  |
| 142.5° | 1.1  | 0.9    | 0.9  |
| 145°   | 0.9  | 0.9    | 0.9  |
| 147.5° | 0.9  | 0.9    | 0.9  |
| 150°   | 0.9  | 0.9    | 0.6  |
| 152.5° | 0.9  | 0.6    | 0.6  |
| 155°   | 0.9  | 0.6    | 0.3  |
| 157.5° | 1.1  | 0.6    | 0.3  |
| 160°   | 0.9  | 0.6    | 0.3  |
| 162.5° | 0.9  | 0.6    | 0.3  |
| 165°   | 0.9  | 0.6    | 0.0  |
| 167.5° | 0.9  | 0.6    | 0.3  |
| 170°   | 0.9  | 0.6    | 0.3  |
| 172.5° | 0.9  | 0.6    | 0.3  |
| 175°   | 0.9  | 0.3    | 0.3  |
| 177.5° | 0.9  | 0.3    | 0.3  |
| 180°   | 0.9  | 0.9    | 0.9  |



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— 0°-180°    - - 45°-225°    - - - - 90°-270°







|        |       |       |       |      |      |      |      |     |     |     |     |
|--------|-------|-------|-------|------|------|------|------|-----|-----|-----|-----|
| 107.5° | 120.1 | 116.7 | 105.3 | 86.4 | 60.4 | 33.8 | 12.6 | 2.3 | 0.6 | 0.9 | 0.9 |
| 110°   | 104.7 | 101.8 | 90.1  | 71.8 | 48.6 | 25.2 | 8.3  | 1.4 | 0.9 | 0.9 | 0.9 |







|        |     |     |     |
|--------|-----|-----|-----|
| 107.5° | 1.1 | 1.7 | 2.0 |
| 110°   | 1.1 | 1.4 | 1.7 |



(END OF REPORT)