

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: P551558

Luminaire Tested: **FCC-X-2-LD4-2LO-35-UNV-82-97-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: P551558  
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-LD4-2LO-35-UNV-82-97-ED1D  
Description: FCC CORNER MOUNT LUMINAIRE WITH .187 CLEAR PC FIXTURE SIDE AND .375 CLEAR TEMPERED GLASS ENVIRONMENTAL SIDE LENSES AND 3500K, AND 80 CRI LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

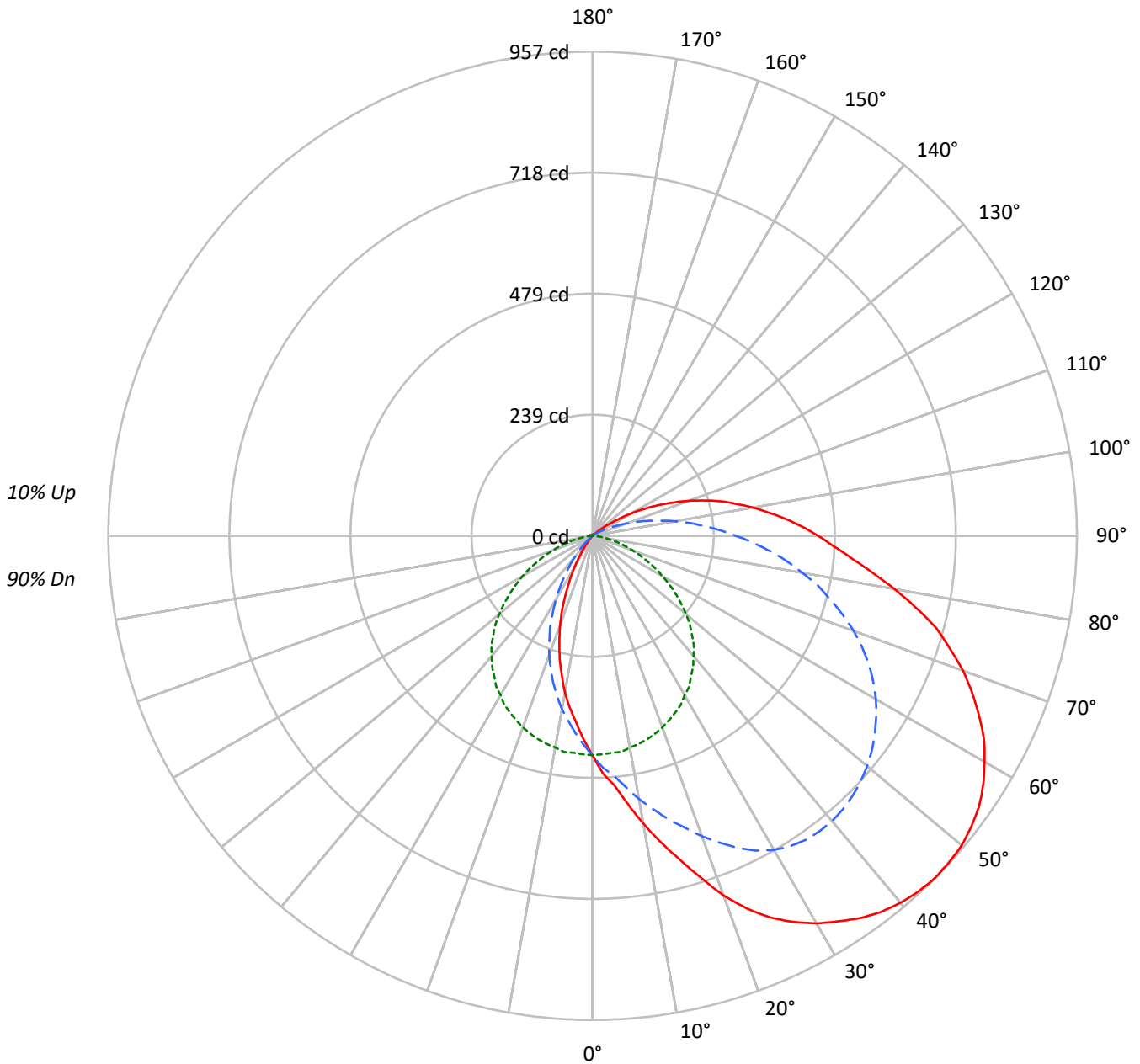
Lumens per Lamp: N/A  
Luminaire Lumens: 2145.1 lumens  
Efficiency: N/A  
Efficacy: 91.3 lumens/watt  
Spacing Criteria (0/90/45): 1.66 / 1.25 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 0.5' x H: 0.25')  
CIE Type: Semi-Direct

Input Watts (W): 23.5  
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: P551558

CATALOG NUMBER: FCC-X-2-LD4-2LO-35-UNV-82-97-ED1D

### Luminous Intensity Polar Plot





TEST NUMBER: P551558

CATALOG NUMBER: FCC-X-2-LD4-2LO-35-UNV-82-97-ED1D

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

|     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 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°  | 4670  | 4670 | 4670 |
| 5°  | 5126  | 4602 | 3840 |
| 10° | 5802  | 4545 | 3164 |
| 15° | 6502  | 4488 | 2466 |
| 20° | 7333  | 4414 | 1816 |
| 25° | 8022  | 4330 | 1192 |
| 30° | 8535  | 4216 | 671  |
| 35° | 8979  | 4094 | 296  |
| 40° | 9372  | 3944 | 71   |
| 45° | 9710  | 3755 | 0    |
| 50° | 9993  | 3504 | 0    |
| 55° | 10208 | 3186 | 0    |
| 60° | 10317 | 2817 | 0    |
| 65° | 10360 | 2398 | 0    |
| 70° | 10326 | 1956 | 0    |
| 75° | 10194 | 1441 | 9    |
| 80° | 9780  | 881  | 45   |
| 85° | 9453  | 422  | 61   |



TEST NUMBER: P551558

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 41.6   | 1.9       |
| 10°-20°   | 124.4  | 5.8       |
| 20°-30°   | 201.5  | 9.4       |
| 30°-40°   | 258.9  | 12.1      |
| 40°-50°   | 293.0  | 13.7      |
| 50°-60°   | 303.6  | 14.2      |
| 60°-70°   | 286.3  | 13.3      |
| 70°-80°   | 240.0  | 11.2      |
| 80°-90°   | 173.9  | 8.1       |
| 90°-100°  | 114.3  | 5.3       |
| 100°-110° | 66.0   | 3.1       |
| 110°-120° | 29.2   | 1.4       |
| 120°-130° | 7.9    | 0.4       |
| 130°-140° | 1.8    | 0.1       |
| 140°-150° | 1.2    | 0.1       |
| 150°-160° | 0.8    | 0.0       |
| 160°-170° | 0.5    | 0.0       |
| 170°-180° | 0.2    | 0.0       |
| 0°-30°    | 367.5  | 17.1      |
| 0°-40°    | 626.4  | 29.2      |
| 0°-60°    | 1223.0 | 57.0      |
| 0°-90°    | 1923.2 | 89.7      |
| 90°-120°  | 209.5  | 9.8       |
| 90°-150°  | 220.4  | 10.3      |
| 90°-180°  | 222.0  | 10.3      |
| 0°-180°   | 2145.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 45° | 90° | 135° | 180° | Flux |
|------|-----|-----|-----|------|------|------|
| 0°   | 434 | 434 | 434 | 434  | 434  |      |
| 5°   | 495 | 476 | 431 | 391  | 371  | 50   |
| 15°  | 662 | 580 | 416 | 301  | 251  | 191  |
| 25°  | 833 | 681 | 386 | 198  | 124  | 385  |
| 35°  | 922 | 734 | 339 | 96   | 30   | 579  |
| 45°  | 957 | 727 | 278 | 22   | 0    | 739  |
| 55°  | 932 | 681 | 200 | 0    | 0    | 833  |
| 65°  | 843 | 602 | 119 | 0    | 0    | 834  |
| 75°  | 702 | 486 | 51  | 1    | 1    | 737  |
| 85°  | 514 | 352 | 8   | 2    | 3    | 439  |
| 90°  | 446 | 283 | 2   | 3    | 4    | 244  |
| 95°  | 382 | 221 | 1   | 4    | 5    | 300  |
| 105° | 263 | 114 | 1   | 3    | 4    | 278  |
| 115° | 143 | 38  | 2   | 2    | 3    | 143  |
| 125° | 43  | 5   | 2   | 2    | 2    | 43   |
| 135° | 2   | 2   | 3   | 2    | 2    | 4    |
| 145° | 1   | 2   | 2   | 2    | 2    | 0    |
| 155° | 1   | 2   | 2   | 2    | 1    | 0    |
| 165° | 1   | 2   | 2   | 2    | 0    | 0    |
| 175° | 1   | 2   | 3   | 2    | 1    | 0    |
| 180° | 2   | 2   | 2   | 2    | 2    |      |



TEST NUMBER: P551558

CATALOG NUMBER: FCC-X-2-LD4-2LO-35-UNV-82-97-ED1D

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 30°   | 40°   | 50°   | 60°   | 70°   | 80°   | 90°   | 112.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 433.9 | 433.9 | 433.9 | 433.9 | 433.9 | 433.9 | 433.9 | 433.9 | 433.9 | 433.9 | 433.9  |
| 2.5°   | 470.4 | 469.8 | 468.2 | 465.4 | 461.5 | 454.9 | 449.4 | 444.4 | 437.8 | 432.2 | 421.7  |
| 5°     | 495.2 | 492.5 | 490.3 | 487.5 | 478.7 | 472.6 | 462.6 | 451.6 | 441.1 | 430.6 | 409.6  |
| 7.5°   | 535.0 | 530.6 | 527.3 | 519.6 | 507.4 | 493.6 | 478.1 | 467.6 | 460.4 | 431.1 | 395.2  |
| 10°    | 577.6 | 573.7 | 567.1 | 553.3 | 538.3 | 518.4 | 496.3 | 471.5 | 449.4 | 425.0 | 382.5  |
| 12.5°  | 619.6 | 614.1 | 604.7 | 587.0 | 566.0 | 541.1 | 510.7 | 481.4 | 449.9 | 421.2 | 367.6  |
| 15°    | 661.6 | 655.5 | 645.6 | 624.0 | 596.4 | 563.8 | 526.7 | 489.7 | 452.7 | 416.2 | 352.1  |
| 17.5°  | 707.5 | 699.2 | 684.3 | 659.9 | 625.1 | 584.8 | 541.1 | 496.3 | 451.6 | 410.1 | 335.5  |
| 20°    | 756.7 | 745.1 | 729.0 | 696.4 | 655.5 | 608.0 | 555.5 | 503.0 | 451.0 | 402.9 | 316.7  |
| 22.5°  | 797.6 | 786.0 | 768.3 | 734.6 | 685.4 | 627.3 | 567.6 | 507.4 | 448.8 | 394.6 | 299.0  |
| 25°    | 832.9 | 823.5 | 804.2 | 765.5 | 713.6 | 647.8 | 579.2 | 510.7 | 445.5 | 385.8 | 280.2  |
| 27.5°  | 860.6 | 851.7 | 830.2 | 790.4 | 737.3 | 666.0 | 588.1 | 512.4 | 441.1 | 377.0 | 260.9  |
| 30°    | 884.9 | 876.1 | 850.1 | 809.2 | 753.4 | 680.4 | 596.9 | 512.9 | 435.5 | 363.7 | 239.9  |
| 32.5°  | 903.7 | 895.4 | 868.9 | 825.2 | 764.4 | 690.3 | 601.9 | 512.4 | 428.4 | 354.3 | 217.2  |
| 35°    | 922.5 | 914.2 | 883.2 | 836.8 | 772.7 | 694.8 | 605.8 | 509.6 | 419.5 | 338.8 | 195.7  |
| 37.5°  | 936.9 | 927.5 | 896.0 | 844.5 | 776.6 | 695.9 | 605.2 | 505.7 | 410.1 | 326.1 | 174.1  |
| 40°    | 946.8 | 936.9 | 903.1 | 849.0 | 777.7 | 694.2 | 600.8 | 499.1 | 399.1 | 310.1 | 151.4  |
| 42.5°  | 953.4 | 942.4 | 906.5 | 855.6 | 775.5 | 689.8 | 594.2 | 490.8 | 386.9 | 296.3 | 129.9  |
| 45°    | 956.8 | 945.1 | 907.0 | 850.1 | 771.6 | 681.5 | 584.2 | 480.3 | 373.6 | 277.5 | 108.3  |
| 47.5°  | 955.1 | 942.4 | 904.2 | 844.0 | 764.4 | 672.7 | 573.2 | 467.6 | 357.6 | 260.9 | 87.9   |
| 50°    | 952.3 | 939.1 | 898.2 | 836.3 | 754.5 | 661.6 | 561.0 | 452.1 | 341.0 | 240.4 | 69.6   |
| 52.5°  | 943.5 | 930.2 | 891.5 | 825.2 | 742.9 | 648.9 | 544.4 | 436.1 | 323.3 | 220.5 | 53.1   |
| 55°    | 932.4 | 920.3 | 879.9 | 815.3 | 727.9 | 633.4 | 528.9 | 419.0 | 306.2 | 200.1 | 38.1   |
| 57.5°  | 915.3 | 904.2 | 865.6 | 799.2 | 713.0 | 616.3 | 511.8 | 400.2 | 284.6 | 179.6 | 26.5   |
| 60°    | 894.3 | 883.2 | 845.7 | 781.0 | 695.9 | 596.9 | 493.0 | 380.8 | 265.3 | 159.2 | 16.6   |
| 62.5°  | 872.2 | 861.7 | 822.4 | 758.3 | 674.3 | 576.5 | 472.6 | 361.5 | 244.9 | 140.4 | 9.9    |
| 65°    | 842.9 | 832.9 | 797.6 | 731.2 | 650.5 | 554.4 | 449.9 | 338.3 | 223.8 | 119.4 | 5.5    |
| 67.5°  | 811.9 | 803.1 | 767.2 | 706.4 | 622.9 | 530.1 | 426.7 | 315.6 | 201.7 | 101.1 | 2.8    |
| 70°    | 778.8 | 767.7 | 734.6 | 672.7 | 594.7 | 502.4 | 401.3 | 292.4 | 180.7 | 83.5  | 0.0    |
| 72.5°  | 740.1 | 731.8 | 699.7 | 641.2 | 562.1 | 473.1 | 375.3 | 267.0 | 157.5 | 66.3  | 0.6    |
| 75°    | 702.5 | 692.0 | 662.7 | 607.4 | 530.1 | 442.2 | 346.6 | 243.2 | 134.9 | 50.8  | 0.6    |
| 77.5°  | 653.9 | 650.5 | 622.9 | 569.3 | 499.7 | 412.3 | 315.0 | 214.5 | 113.3 | 36.5  | 0.6    |
| 80°    | 605.2 | 601.9 | 580.4 | 531.2 | 464.3 | 377.0 | 285.8 | 187.4 | 92.3  | 24.3  | 0.6    |
| 82.5°  | 557.1 | 552.7 | 532.3 | 491.4 | 428.4 | 347.1 | 255.4 | 160.3 | 73.0  | 14.9  | 0.6    |
| 85°    | 514.0 | 508.5 | 486.4 | 448.8 | 391.3 | 313.4 | 223.8 | 133.8 | 54.2  | 8.3   | 1.1    |
| 87.5°  | 477.0 | 473.1 | 448.8 | 410.1 | 353.7 | 281.9 | 196.2 | 108.3 | 38.1  | 3.9   | 1.7    |
| 90°    | 445.5 | 437.2 | 415.6 | 374.7 | 318.4 | 247.1 | 166.9 | 86.8  | 25.4  | 2.2   | 2.2    |
| 92.5°  | 414.5 | 407.4 | 383.6 | 341.6 | 286.9 | 217.2 | 138.7 | 66.3  | 16.0  | 1.1   | 2.8    |
| 95°    | 382.5 | 374.7 | 351.5 | 312.8 | 254.8 | 186.8 | 113.9 | 48.6  | 8.8   | 1.1   | 2.8    |
| 97.5°  | 351.0 | 343.8 | 319.5 | 280.8 | 226.1 | 160.3 | 90.1  | 34.3  | 4.4   | 1.1   | 2.2    |
| 100°   | 321.7 | 313.4 | 291.3 | 252.6 | 197.3 | 133.8 | 69.6  | 22.1  | 2.8   | 1.1   | 2.2    |
| 102.5° | 290.7 | 284.1 | 261.4 | 223.8 | 167.5 | 108.9 | 52.0  | 13.8  | 1.1   | 1.1   | 1.7    |
| 105°   | 263.1 | 254.8 | 232.7 | 194.0 | 142.6 | 85.7  | 36.5  | 8.3   | 1.1   | 1.1   | 1.7    |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 30°   | 40°  | 50°  | 60° | 70° | 80° | 90° | 112.5° |
|--------|-------|-------|-------|-------|------|------|-----|-----|-----|-----|--------|
| 112.5° | 171.3 | 164.7 | 145.4 | 112.8 | 72.4 | 33.7 | 9.9 | 1.7 | 1.7 | 1.7 | 1.7    |
| 115°   | 143.2 | 133.2 | 116.1 | 87.3  | 53.6 | 22.1 | 5.0 | 1.7 | 1.7 | 1.7 | 1.7    |
| 117.5° | 114.4 | 106.1 | 94.0  | 66.3  | 35.4 | 14.4 | 2.8 | 1.7 | 1.7 | 1.7 | 1.7    |
| 120°   | 89.5  | 81.8  | 68.0  | 45.9  | 23.8 | 8.3  | 1.1 | 1.7 | 1.7 | 1.7 | 1.7    |
| 122.5° | 64.1  | 58.0  | 45.9  | 29.8  | 14.4 | 3.9  | 1.7 | 1.7 | 2.2 | 2.2 | 1.7    |
| 125°   | 42.6  | 39.2  | 30.4  | 18.2  | 8.8  | 1.7  | 1.7 | 1.7 | 2.2 | 2.2 | 1.7    |
| 127.5° | 27.6  | 24.9  | 17.7  | 10.5  | 3.9  | 1.7  | 1.7 | 2.2 | 2.2 | 2.2 | 1.7    |
| 130°   | 15.5  | 13.8  | 10.5  | 6.1   | 1.7  | 1.7  | 1.7 | 2.2 | 2.2 | 2.2 | 1.7    |
| 132.5° | 8.8   | 8.3   | 5.5   | 1.1   | 1.7  | 1.7  | 1.7 | 2.2 | 2.2 | 2.2 | 2.2    |
| 135°   | 2.2   | 1.1   | 1.1   | 1.1   | 1.7  | 1.7  | 2.2 | 2.2 | 2.8 | 2.8 | 2.2    |
| 137.5° | 0.6   | 0.6   | 1.1   | 1.1   | 1.7  | 1.7  | 2.2 | 2.8 | 2.8 | 2.8 | 2.2    |
| 140°   | 0.6   | 0.6   | 1.1   | 1.7   | 1.7  | 1.7  | 2.2 | 2.8 | 2.8 | 2.8 | 2.2    |
| 142.5° | 0.6   | 1.1   | 1.1   | 1.7   | 1.7  | 2.2  | 2.2 | 2.8 | 2.8 | 2.2 | 2.2    |
| 145°   | 0.6   | 1.1   | 1.1   | 1.7   | 1.7  | 2.2  | 2.2 | 2.8 | 2.2 | 2.2 | 2.2    |
| 147.5° | 1.1   | 1.1   | 1.1   | 1.7   | 1.7  | 2.2  | 2.2 | 2.8 | 2.8 | 2.2 | 2.2    |
| 150°   | 0.6   | 1.1   | 1.1   | 1.7   | 2.2  | 2.2  | 2.2 | 2.8 | 2.2 | 2.2 | 2.2    |
| 152.5° | 0.6   | 1.1   | 1.1   | 1.7   | 2.2  | 2.2  | 2.2 | 2.8 | 2.2 | 2.2 | 2.2    |
| 155°   | 1.1   | 1.1   | 1.1   | 1.7   | 2.2  | 2.2  | 2.2 | 2.8 | 2.2 | 2.2 | 2.8    |
| 157.5° | 1.1   | 1.1   | 1.1   | 1.7   | 2.2  | 2.2  | 2.2 | 2.8 | 2.2 | 2.2 | 2.8    |
| 160°   | 1.1   | 1.1   | 1.1   | 1.7   | 1.7  | 2.2  | 2.2 | 2.2 | 2.2 | 2.2 | 2.2    |
| 162.5° | 1.1   | 1.1   | 1.1   | 1.7   | 1.7  | 2.2  | 2.2 | 2.2 | 2.2 | 2.2 | 2.2    |
| 165°   | 1.1   | 1.1   | 1.1   | 1.1   | 1.7  | 1.7  | 2.2 | 2.2 | 2.2 | 2.2 | 2.2    |
| 167.5° | 1.1   | 1.1   | 1.1   | 1.7   | 1.7  | 1.7  | 2.2 | 2.2 | 2.2 | 2.2 | 2.2    |
| 170°   | 1.1   | 1.1   | 1.1   | 1.7   | 1.7  | 1.7  | 2.2 | 2.8 | 2.8 | 2.8 | 2.8    |
| 172.5° | 1.1   | 1.1   | 1.1   | 1.7   | 1.7  | 2.2  | 2.2 | 2.8 | 2.8 | 2.8 | 2.8    |
| 175°   | 1.1   | 1.1   | 1.1   | 1.7   | 1.7  | 2.2  | 2.2 | 2.8 | 2.8 | 2.8 | 2.8    |
| 177.5° | 0.6   | 1.1   | 1.1   | 1.7   | 1.7  | 2.2  | 2.2 | 2.8 | 2.8 | 2.8 | 2.2    |
| 180°   | 1.7   | 1.7   | 1.7   | 1.7   | 1.7  | 1.7  | 1.7 | 1.7 | 1.7 | 1.7 | 1.7    |



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**CANDELA DISTRIBUTION (continued):**

|        | 135°  | 157.5° | 180°  |
|--------|-------|--------|-------|
| 0°     | 433.9 | 433.9  | 433.9 |
| 2.5°   | 412.9 | 405.1  | 402.9 |
| 5°     | 390.8 | 378.1  | 370.9 |
| 7.5°   | 368.7 | 351.5  | 343.2 |
| 10°    | 348.2 | 323.9  | 315.0 |
| 12.5°  | 323.9 | 295.7  | 281.9 |
| 15°    | 300.7 | 264.2  | 250.9 |
| 17.5°  | 274.7 | 233.8  | 218.3 |
| 20°    | 250.4 | 203.4  | 187.4 |
| 22.5°  | 222.7 | 173.6  | 155.9 |
| 25°    | 197.9 | 143.7  | 123.8 |
| 27.5°  | 170.2 | 113.3  | 96.2  |
| 30°    | 144.3 | 86.8   | 69.6  |
| 32.5°  | 119.4 | 63.6   | 48.1  |
| 35°    | 96.2  | 43.1   | 30.4  |
| 37.5°  | 74.1  | 26.5   | 15.5  |
| 40°    | 53.6  | 13.8   | 7.2   |
| 42.5°  | 35.9  | 6.6    | 3.9   |
| 45°    | 22.1  | 3.3    | 0.0   |
| 47.5°  | 12.7  | 0.0    | 0.0   |
| 50°    | 6.6   | 0.0    | 0.0   |
| 52.5°  | 2.8   | 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°    | 0.6   | 0.6    | 0.6   |
| 77.5°  | 0.6   | 1.1    | 1.7   |
| 80°    | 1.1   | 2.2    | 2.8   |
| 82.5°  | 2.2   | 2.8    | 2.8   |
| 85°    | 2.2   | 2.8    | 3.3   |
| 87.5°  | 2.8   | 3.3    | 3.9   |
| 90°    | 3.3   | 3.9    | 3.9   |
| 92.5°  | 3.3   | 4.4    | 4.4   |
| 95°    | 3.9   | 4.4    | 5.0   |
| 97.5°  | 4.4   | 5.0    | 5.0   |
| 100°   | 3.9   | 5.0    | 5.5   |
| 102.5° | 3.3   | 5.0    | 5.0   |
| 105°   | 2.8   | 3.9    | 4.4   |





TEST NUMBER: P551558

CATALOG NUMBER: FCC-X-2-LD4-2LO-35-UNV-82-97-ED1D

**CANDELA DISTRIBUTION (continued):**

|        | 135° | 157.5° | 180° |
|--------|------|--------|------|
| 112.5° | 2.2  | 2.8    | 2.8  |
| 115°   | 1.7  | 2.2    | 2.8  |
| 117.5° | 1.7  | 2.2    | 2.2  |
| 120°   | 1.7  | 1.7    | 2.2  |
| 122.5° | 1.7  | 1.7    | 2.2  |
| 125°   | 1.7  | 1.7    | 2.2  |
| 127.5° | 2.2  | 1.7    | 1.7  |
| 130°   | 1.7  | 1.7    | 1.7  |
| 132.5° | 2.2  | 1.7    | 1.7  |
| 135°   | 2.2  | 1.7    | 1.7  |
| 137.5° | 2.2  | 1.7    | 1.7  |
| 140°   | 2.2  | 1.7    | 1.7  |
| 142.5° | 2.2  | 1.7    | 1.7  |
| 145°   | 1.7  | 1.7    | 1.7  |
| 147.5° | 1.7  | 1.7    | 1.7  |
| 150°   | 1.7  | 1.7    | 1.1  |
| 152.5° | 1.7  | 1.1    | 1.1  |
| 155°   | 1.7  | 1.1    | 0.6  |
| 157.5° | 2.2  | 1.1    | 0.6  |
| 160°   | 1.7  | 1.1    | 0.6  |
| 162.5° | 1.7  | 1.1    | 0.6  |
| 165°   | 1.7  | 1.1    | 0.0  |
| 167.5° | 1.7  | 1.1    | 0.6  |
| 170°   | 1.7  | 1.1    | 0.6  |
| 172.5° | 1.7  | 1.1    | 0.6  |
| 175°   | 1.7  | 0.6    | 0.6  |
| 177.5° | 1.7  | 0.6    | 0.6  |
| 180°   | 1.7  | 1.7    | 1.7  |



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







|        |       |       |       |       |       |      |      |     |     |     |     |
|--------|-------|-------|-------|-------|-------|------|------|-----|-----|-----|-----|
| 107.5° | 232.1 | 225.5 | 203.4 | 166.9 | 116.6 | 65.2 | 24.3 | 4.4 | 1.1 | 1.7 | 1.7 |
| 110°   | 202.3 | 196.8 | 174.1 | 138.7 | 94.0  | 48.6 | 16.0 | 2.8 | 1.7 | 1.7 | 1.7 |







|        |     |     |     |
|--------|-----|-----|-----|
| 107.5° | 2.2 | 3.3 | 3.9 |
| 110°   | 2.2 | 2.8 | 3.3 |



(END OF REPORT)