

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: P550940

Luminaire Tested: **FCC-X-2-LD4-1STD-30-UNV-80-86-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: P550940  
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-LD4-1STD-30-UNV-80-86-ED1D  
Description: FCC CORNER MOUNT LUMINAIRE WITH .125 PRISMATIC ACRYLIC FIXTURE SIDE AND .250 CLEAR PC ENVIRONMENTAL SIDE LENSES AND 3000K, AND 80 CRI LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

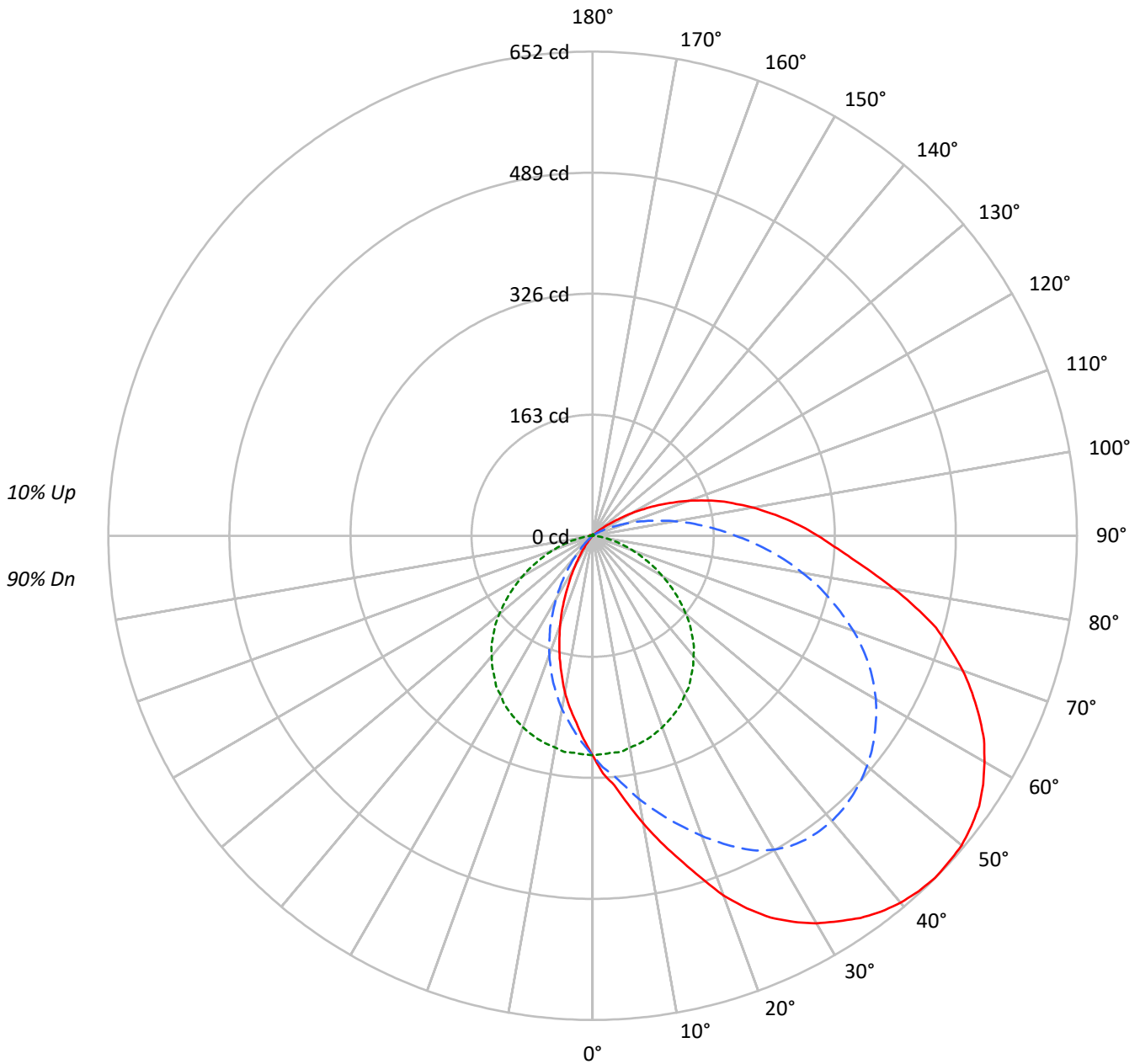
Lumens per Lamp: N/A  
Luminaire Lumens: 1461.0 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Spacing Criteria (0/90/45): 1.66 / 1.25 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 0.5' x H: 0.25')  
CIE Type: Semi-Direct

Input Watts (W): 16.7  
Input Voltage (V): NR  
Input Current (Ain): 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: P550940

CATALOG NUMBER: FCC-X-2-LD4-1STD-30-UNV-80-86-ED1D

### Luminous Intensity Polar Plot





TEST NUMBER: P550940

CATALOG NUMBER: FCC-X-2-LD4-1STD-30-UNV-80-86-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°  | 3181 | 3181 | 3181 |
| 5°  | 3492 | 3135 | 2615 |
| 10° | 3951 | 3096 | 2156 |
| 15° | 4428 | 3057 | 1679 |
| 20° | 4995 | 3006 | 1237 |
| 25° | 5464 | 2949 | 812  |
| 30° | 5813 | 2871 | 457  |
| 35° | 6115 | 2789 | 201  |
| 40° | 6383 | 2686 | 49   |
| 45° | 6614 | 2557 | 0    |
| 50° | 6806 | 2387 | 0    |
| 55° | 6953 | 2170 | 0    |
| 60° | 7027 | 1918 | 0    |
| 65° | 7056 | 1633 | 0    |
| 70° | 7032 | 1331 | 0    |
| 75° | 6943 | 981  | 6    |
| 80° | 6661 | 602  | 31   |
| 85° | 6439 | 285  | 42   |



TEST NUMBER: P550940

CATALOG NUMBER: FCC-X-2-LD4-1STD-30-UNV-80-86-ED1D

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 28.3   | 1.9       |
| 10°-20°   | 84.8   | 5.8       |
| 20°-30°   | 137.3  | 9.4       |
| 30°-40°   | 176.3  | 12.1      |
| 40°-50°   | 199.6  | 13.7      |
| 50°-60°   | 206.8  | 14.2      |
| 60°-70°   | 195.0  | 13.3      |
| 70°-80°   | 163.4  | 11.2      |
| 80°-90°   | 118.5  | 8.1       |
| 90°-100°  | 77.9   | 5.3       |
| 100°-110° | 45.0   | 3.1       |
| 110°-120° | 19.8   | 1.4       |
| 120°-130° | 5.4    | 0.4       |
| 130°-140° | 1.2    | 0.1       |
| 140°-150° | 0.8    | 0.1       |
| 150°-160° | 0.6    | 0.0       |
| 160°-170° | 0.3    | 0.0       |
| 170°-180° | 0.1    | 0.0       |
| 0°-30°    | 250.3  | 17.1      |
| 0°-40°    | 426.6  | 29.2      |
| 0°-60°    | 833.0  | 57.0      |
| 0°-90°    | 1309.9 | 89.7      |
| 90°-120°  | 142.7  | 9.8       |
| 90°-150°  | 150.0  | 10.3      |
| 90°-180°  | 151.0  | 10.3      |
| 0°-180°   | 1461.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 45° | 90° | 135° | 180° | Flux |
|------|-----|-----|-----|------|------|------|
| 0°   | 296 | 296 | 296 | 296  | 296  |      |
| 5°   | 337 | 324 | 293 | 266  | 253  | 34   |
| 15°  | 451 | 395 | 284 | 205  | 171  | 130  |
| 25°  | 567 | 464 | 263 | 135  | 84   | 262  |
| 35°  | 628 | 500 | 231 | 66   | 21   | 394  |
| 45°  | 652 | 495 | 189 | 15   | 0    | 503  |
| 55°  | 635 | 464 | 136 | 0    | 0    | 567  |
| 65°  | 574 | 410 | 81  | 0    | 0    | 568  |
| 75°  | 478 | 331 | 35  | 0    | 0    | 502  |
| 85°  | 350 | 240 | 6   | 2    | 2    | 299  |
| 90°  | 303 | 193 | 2   | 2    | 3    | 166  |
| 95°  | 260 | 150 | 1   | 3    | 3    | 204  |
| 105° | 179 | 78  | 1   | 2    | 3    | 189  |
| 115° | 98  | 26  | 1   | 1    | 2    | 98   |
| 125° | 29  | 4   | 2   | 1    | 2    | 29   |
| 135° | 2   | 1   | 2   | 2    | 1    | 3    |
| 145° | 0   | 1   | 2   | 1    | 1    | 0    |
| 155° | 1   | 2   | 2   | 1    | 0    | 0    |
| 165° | 1   | 1   | 2   | 1    | 0    | 0    |
| 175° | 1   | 1   | 2   | 1    | 0    | 0    |
| 180° | 1   | 1   | 1   | 1    | 1    |      |



TEST NUMBER: P550940

CATALOG NUMBER: FCC-X-2-LD4-1STD-30-UNV-80-86-ED1D

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 30°   | 40°   | 50°   | 60°   | 70°   | 80°   | 90°   | 112.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 295.5 | 295.5 | 295.5 | 295.5 | 295.5 | 295.5 | 295.5 | 295.5 | 295.5 | 295.5 | 295.5  |
| 2.5°   | 320.4 | 320.0 | 318.9 | 317.0 | 314.3 | 309.8 | 306.1 | 302.7 | 298.2 | 294.4 | 287.2  |
| 5°     | 337.3 | 335.4 | 333.9 | 332.0 | 326.0 | 321.9 | 315.1 | 307.6 | 300.4 | 293.3 | 279.0  |
| 7.5°   | 364.4 | 361.4 | 359.1 | 353.9 | 345.6 | 336.2 | 325.6 | 318.5 | 313.6 | 293.6 | 269.2  |
| 10°    | 393.4 | 390.8 | 386.3 | 376.8 | 366.7 | 353.1 | 338.1 | 321.1 | 306.1 | 289.5 | 260.5  |
| 12.5°  | 422.0 | 418.3 | 411.9 | 399.8 | 385.5 | 368.6 | 347.9 | 327.9 | 306.4 | 286.9 | 250.3  |
| 15°    | 450.6 | 446.5 | 439.7 | 425.0 | 406.2 | 384.0 | 358.8 | 333.5 | 308.3 | 283.5 | 239.8  |
| 17.5°  | 481.9 | 476.2 | 466.1 | 449.5 | 425.8 | 398.3 | 368.6 | 338.1 | 307.6 | 279.3 | 228.5  |
| 20°    | 515.4 | 507.5 | 496.6 | 474.3 | 446.5 | 414.1 | 378.3 | 342.6 | 307.2 | 274.4 | 215.7  |
| 22.5°  | 543.2 | 535.3 | 523.3 | 500.3 | 466.8 | 427.3 | 386.6 | 345.6 | 305.7 | 268.8 | 203.7  |
| 25°    | 567.3 | 560.9 | 547.8 | 521.4 | 486.0 | 441.2 | 394.5 | 347.9 | 303.4 | 262.8 | 190.9  |
| 27.5°  | 586.2 | 580.1 | 565.5 | 538.3 | 502.2 | 453.6 | 400.6 | 349.0 | 300.4 | 256.7 | 177.7  |
| 30°    | 602.7 | 596.7 | 579.0 | 551.1 | 513.1 | 463.4 | 406.6 | 349.4 | 296.7 | 247.7 | 163.4  |
| 32.5°  | 615.5 | 609.9 | 591.8 | 562.1 | 520.7 | 470.2 | 410.0 | 349.0 | 291.8 | 241.3 | 148.0  |
| 35°    | 628.3 | 622.7 | 601.6 | 570.0 | 526.3 | 473.2 | 412.6 | 347.1 | 285.7 | 230.8 | 133.3  |
| 37.5°  | 638.1 | 631.7 | 610.3 | 575.2 | 528.9 | 474.0 | 412.2 | 344.5 | 279.3 | 222.1 | 118.6  |
| 40°    | 644.9 | 638.1 | 615.1 | 578.3 | 529.7 | 472.8 | 409.2 | 339.9 | 271.8 | 211.2 | 103.2  |
| 42.5°  | 649.4 | 641.9 | 617.4 | 582.8 | 528.2 | 469.8 | 404.7 | 334.3 | 263.5 | 201.8 | 88.5   |
| 45°    | 651.7 | 643.8 | 617.8 | 579.0 | 525.5 | 464.2 | 397.9 | 327.1 | 254.5 | 189.0 | 73.8   |
| 47.5°  | 650.5 | 641.9 | 615.9 | 574.9 | 520.7 | 458.2 | 390.4 | 318.5 | 243.6 | 177.7 | 59.9   |
| 50°    | 648.6 | 639.6 | 611.8 | 569.6 | 513.9 | 450.6 | 382.1 | 307.9 | 232.3 | 163.8 | 47.4   |
| 52.5°  | 642.6 | 633.6 | 607.2 | 562.1 | 506.0 | 442.0 | 370.8 | 297.0 | 220.2 | 150.2 | 36.1   |
| 55°    | 635.1 | 626.8 | 599.3 | 555.3 | 495.8 | 431.4 | 360.3 | 285.4 | 208.6 | 136.3 | 26.0   |
| 57.5°  | 623.4 | 615.9 | 589.5 | 544.4 | 485.6 | 419.8 | 348.6 | 272.6 | 193.9 | 122.4 | 18.1   |
| 60°    | 609.1 | 601.6 | 576.0 | 531.9 | 474.0 | 406.6 | 335.8 | 259.4 | 180.7 | 108.4 | 11.3   |
| 62.5°  | 594.1 | 586.9 | 560.2 | 516.5 | 459.3 | 392.7 | 321.9 | 246.2 | 166.8 | 95.6  | 6.8    |
| 65°    | 574.1 | 567.3 | 543.2 | 498.1 | 443.1 | 377.6 | 306.4 | 230.4 | 152.5 | 81.3  | 3.8    |
| 67.5°  | 553.0 | 547.0 | 522.5 | 481.1 | 424.3 | 361.0 | 290.6 | 215.0 | 137.4 | 68.9  | 1.9    |
| 70°    | 530.4 | 522.9 | 500.3 | 458.2 | 405.1 | 342.2 | 273.3 | 199.2 | 123.1 | 56.8  | 0.0    |
| 72.5°  | 504.1 | 498.4 | 476.6 | 436.7 | 382.9 | 322.3 | 255.6 | 181.8 | 107.3 | 45.2  | 0.4    |
| 75°    | 478.5 | 471.3 | 451.4 | 413.7 | 361.0 | 301.2 | 236.0 | 165.6 | 91.9  | 34.6  | 0.4    |
| 77.5°  | 445.4 | 443.1 | 424.3 | 387.8 | 340.3 | 280.8 | 214.6 | 146.1 | 77.2  | 24.8  | 0.4    |
| 80°    | 412.2 | 410.0 | 395.3 | 361.8 | 316.2 | 256.7 | 194.6 | 127.6 | 62.9  | 16.6  | 0.4    |
| 82.5°  | 379.5 | 376.5 | 362.5 | 334.7 | 291.8 | 236.4 | 173.9 | 109.2 | 49.7  | 10.2  | 0.4    |
| 85°    | 350.1 | 346.3 | 331.3 | 305.7 | 266.5 | 213.5 | 152.5 | 91.1  | 36.9  | 5.6   | 0.8    |
| 87.5°  | 324.9 | 322.3 | 305.7 | 279.3 | 240.9 | 192.0 | 133.6 | 73.8  | 26.0  | 2.6   | 1.1    |
| 90°    | 303.4 | 297.8 | 283.1 | 255.2 | 216.8 | 168.3 | 113.7 | 59.1  | 17.3  | 1.5   | 1.5    |
| 92.5°  | 282.3 | 277.5 | 261.3 | 232.7 | 195.4 | 148.0 | 94.5  | 45.2  | 10.9  | 0.8   | 1.9    |
| 95°    | 260.5 | 255.2 | 239.4 | 213.1 | 173.6 | 127.2 | 77.6  | 33.1  | 6.0   | 0.8   | 1.9    |
| 97.5°  | 239.1 | 234.2 | 217.6 | 191.2 | 154.0 | 109.2 | 61.4  | 23.3  | 3.0   | 0.8   | 1.5    |
| 100°   | 219.1 | 213.5 | 198.4 | 172.0 | 134.4 | 91.1  | 47.4  | 15.1  | 1.9   | 0.8   | 1.5    |
| 102.5° | 198.0 | 193.5 | 178.1 | 152.5 | 114.1 | 74.2  | 35.4  | 9.4   | 0.8   | 0.8   | 1.1    |
| 105°   | 179.2 | 173.6 | 158.5 | 132.1 | 97.1  | 58.4  | 24.8  | 5.6   | 0.8   | 0.8   | 1.1    |



TEST NUMBER: P550940

CATALOG NUMBER: FCC-X-2-LD4-1STD-30-UNV-80-86-ED1D

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°  | 30°  | 40°  | 50°  | 60° | 70° | 80° | 90° | 112.5° |
|--------|-------|-------|------|------|------|------|-----|-----|-----|-----|--------|
| 112.5° | 116.7 | 112.2 | 99.0 | 76.8 | 49.3 | 23.0 | 6.8 | 1.1 | 1.1 | 1.1 | 1.1    |
| 115°   | 97.5  | 90.7  | 79.1 | 59.5 | 36.5 | 15.1 | 3.4 | 1.1 | 1.1 | 1.1 | 1.1    |
| 117.5° | 77.9  | 72.3  | 64.0 | 45.2 | 24.1 | 9.8  | 1.9 | 1.1 | 1.1 | 1.1 | 1.1    |
| 120°   | 61.0  | 55.7  | 46.3 | 31.2 | 16.2 | 5.6  | 0.8 | 1.1 | 1.1 | 1.1 | 1.1    |
| 122.5° | 43.7  | 39.5  | 31.2 | 20.3 | 9.8  | 2.6  | 1.1 | 1.1 | 1.5 | 1.5 | 1.1    |
| 125°   | 29.0  | 26.7  | 20.7 | 12.4 | 6.0  | 1.1  | 1.1 | 1.1 | 1.5 | 1.5 | 1.1    |
| 127.5° | 18.8  | 16.9  | 12.0 | 7.2  | 2.6  | 1.1  | 1.1 | 1.5 | 1.5 | 1.5 | 1.1    |
| 130°   | 10.5  | 9.4   | 7.2  | 4.1  | 1.1  | 1.1  | 1.1 | 1.5 | 1.5 | 1.5 | 1.1    |
| 132.5° | 6.0   | 5.6   | 3.8  | 0.8  | 1.1  | 1.1  | 1.1 | 1.5 | 1.5 | 1.5 | 1.5    |
| 135°   | 1.5   | 0.8   | 0.8  | 0.8  | 1.1  | 1.1  | 1.5 | 1.5 | 1.9 | 1.9 | 1.5    |
| 137.5° | 0.4   | 0.4   | 0.8  | 0.8  | 1.1  | 1.1  | 1.5 | 1.9 | 1.9 | 1.9 | 1.5    |
| 140°   | 0.4   | 0.4   | 0.8  | 1.1  | 1.1  | 1.1  | 1.5 | 1.9 | 1.9 | 1.9 | 1.5    |
| 142.5° | 0.4   | 0.8   | 0.8  | 1.1  | 1.1  | 1.5  | 1.5 | 1.9 | 1.9 | 1.5 | 1.5    |
| 145°   | 0.4   | 0.8   | 0.8  | 1.1  | 1.1  | 1.5  | 1.5 | 1.9 | 1.5 | 1.5 | 1.5    |
| 147.5° | 0.8   | 0.8   | 0.8  | 1.1  | 1.1  | 1.5  | 1.5 | 1.9 | 1.9 | 1.5 | 1.5    |
| 150°   | 0.4   | 0.8   | 0.8  | 1.1  | 1.5  | 1.5  | 1.5 | 1.9 | 1.5 | 1.5 | 1.5    |
| 152.5° | 0.4   | 0.8   | 0.8  | 1.1  | 1.5  | 1.5  | 1.5 | 1.9 | 1.5 | 1.5 | 1.5    |
| 155°   | 0.8   | 0.8   | 0.8  | 1.1  | 1.5  | 1.5  | 1.5 | 1.9 | 1.5 | 1.5 | 1.9    |
| 157.5° | 0.8   | 0.8   | 0.8  | 1.1  | 1.5  | 1.5  | 1.5 | 1.9 | 1.5 | 1.5 | 1.9    |
| 160°   | 0.8   | 0.8   | 0.8  | 1.1  | 1.1  | 1.5  | 1.5 | 1.5 | 1.5 | 1.5 | 1.5    |
| 162.5° | 0.8   | 0.8   | 0.8  | 1.1  | 1.1  | 1.5  | 1.5 | 1.5 | 1.5 | 1.5 | 1.5    |
| 165°   | 0.8   | 0.8   | 0.8  | 0.8  | 1.1  | 1.1  | 1.5 | 1.5 | 1.5 | 1.5 | 1.5    |
| 167.5° | 0.8   | 0.8   | 0.8  | 1.1  | 1.1  | 1.1  | 1.5 | 1.5 | 1.5 | 1.5 | 1.5    |
| 170°   | 0.8   | 0.8   | 0.8  | 1.1  | 1.1  | 1.1  | 1.5 | 1.9 | 1.9 | 1.9 | 1.9    |
| 172.5° | 0.8   | 0.8   | 0.8  | 1.1  | 1.1  | 1.5  | 1.5 | 1.9 | 1.9 | 1.9 | 1.9    |
| 175°   | 0.8   | 0.8   | 0.8  | 1.1  | 1.1  | 1.5  | 1.5 | 1.9 | 1.9 | 1.9 | 1.9    |
| 177.5° | 0.4   | 0.8   | 0.8  | 1.1  | 1.1  | 1.5  | 1.5 | 1.9 | 1.9 | 1.9 | 1.5    |
| 180°   | 1.1   | 1.1   | 1.1  | 1.1  | 1.1  | 1.1  | 1.1 | 1.1 | 1.1 | 1.1 | 1.1    |



TEST NUMBER: P550940

CATALOG NUMBER: FCC-X-2-LD4-1STD-30-UNV-80-86-ED1D

**CANDELA DISTRIBUTION (continued):**

|        | 135°  | 157.5° | 180°  |
|--------|-------|--------|-------|
| 0°     | 295.5 | 295.5  | 295.5 |
| 2.5°   | 281.2 | 275.9  | 274.4 |
| 5°     | 266.2 | 257.5  | 252.6 |
| 7.5°   | 251.1 | 239.4  | 233.8 |
| 10°    | 237.2 | 220.6  | 214.6 |
| 12.5°  | 220.6 | 201.4  | 192.0 |
| 15°    | 204.8 | 180.0  | 170.9 |
| 17.5°  | 187.1 | 159.2  | 148.7 |
| 20°    | 170.5 | 138.5  | 127.6 |
| 22.5°  | 151.7 | 118.2  | 106.2 |
| 25°    | 134.8 | 97.9   | 84.3  |
| 27.5°  | 116.0 | 77.2   | 65.5  |
| 30°    | 98.3  | 59.1   | 47.4  |
| 32.5°  | 81.3  | 43.3   | 32.8  |
| 35°    | 65.5  | 29.4   | 20.7  |
| 37.5°  | 50.4  | 18.1   | 10.5  |
| 40°    | 36.5  | 9.4    | 4.9   |
| 42.5°  | 24.5  | 4.5    | 2.6   |
| 45°    | 15.1  | 2.3    | 0.0   |
| 47.5°  | 8.7   | 0.0    | 0.0   |
| 50°    | 4.5   | 0.0    | 0.0   |
| 52.5°  | 1.9   | 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°    | 0.4   | 0.4    | 0.4   |
| 77.5°  | 0.4   | 0.8    | 1.1   |
| 80°    | 0.8   | 1.5    | 1.9   |
| 82.5°  | 1.5   | 1.9    | 1.9   |
| 85°    | 1.5   | 1.9    | 2.3   |
| 87.5°  | 1.9   | 2.3    | 2.6   |
| 90°    | 2.3   | 2.6    | 2.6   |
| 92.5°  | 2.3   | 3.0    | 3.0   |
| 95°    | 2.6   | 3.0    | 3.4   |
| 97.5°  | 3.0   | 3.4    | 3.4   |
| 100°   | 2.6   | 3.4    | 3.8   |
| 102.5° | 2.3   | 3.4    | 3.4   |
| 105°   | 1.9   | 2.6    | 3.0   |





TEST NUMBER: P550940

CATALOG NUMBER: FCC-X-2-LD4-1STD-30-UNV-80-86-ED1D

**CANDELA DISTRIBUTION (continued):**

|        | 135° | 157.5° | 180° |
|--------|------|--------|------|
| 112.5° | 1.5  | 1.9    | 1.9  |
| 115°   | 1.1  | 1.5    | 1.9  |
| 117.5° | 1.1  | 1.5    | 1.5  |
| 120°   | 1.1  | 1.1    | 1.5  |
| 122.5° | 1.1  | 1.1    | 1.5  |
| 125°   | 1.1  | 1.1    | 1.5  |
| 127.5° | 1.5  | 1.1    | 1.1  |
| 130°   | 1.1  | 1.1    | 1.1  |
| 132.5° | 1.5  | 1.1    | 1.1  |
| 135°   | 1.5  | 1.1    | 1.1  |
| 137.5° | 1.5  | 1.1    | 1.1  |
| 140°   | 1.5  | 1.1    | 1.1  |
| 142.5° | 1.5  | 1.1    | 1.1  |
| 145°   | 1.1  | 1.1    | 1.1  |
| 147.5° | 1.1  | 1.1    | 1.1  |
| 150°   | 1.1  | 1.1    | 0.8  |
| 152.5° | 1.1  | 0.8    | 0.8  |
| 155°   | 1.1  | 0.8    | 0.4  |
| 157.5° | 1.5  | 0.8    | 0.4  |
| 160°   | 1.1  | 0.8    | 0.4  |
| 162.5° | 1.1  | 0.8    | 0.4  |
| 165°   | 1.1  | 0.8    | 0.0  |
| 167.5° | 1.1  | 0.8    | 0.4  |
| 170°   | 1.1  | 0.8    | 0.4  |
| 172.5° | 1.1  | 0.8    | 0.4  |
| 175°   | 1.1  | 0.4    | 0.4  |
| 177.5° | 1.1  | 0.4    | 0.4  |
| 180°   | 1.1  | 1.1    | 1.1  |



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







|        |       |       |       |       |      |      |      |     |     |     |     |
|--------|-------|-------|-------|-------|------|------|------|-----|-----|-----|-----|
| 107.5° | 158.1 | 153.6 | 138.5 | 113.7 | 79.4 | 44.4 | 16.6 | 3.0 | 0.8 | 1.1 | 1.1 |
| 110°   | 137.8 | 134.0 | 118.6 | 94.5  | 64.0 | 33.1 | 10.9 | 1.9 | 1.1 | 1.1 | 1.1 |







|        |     |     |     |
|--------|-----|-----|-----|
| 107.5° | 1.5 | 2.3 | 2.6 |
| 110°   | 1.5 | 1.9 | 2.3 |



(END OF REPORT)