

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: P395603

Luminaire Tested: **I3-FL-60L83050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395603  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-FL-60L83050-1D-UNV-W2A-W-4 (3500K)  
Description: CORELITE I3, FROSTED TOP COVER  
6000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 3000K/5000K CCT, 80 CRI LEDS, TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5488.3 lumens  
Efficiency: N/A  
Efficacy: 124.5 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

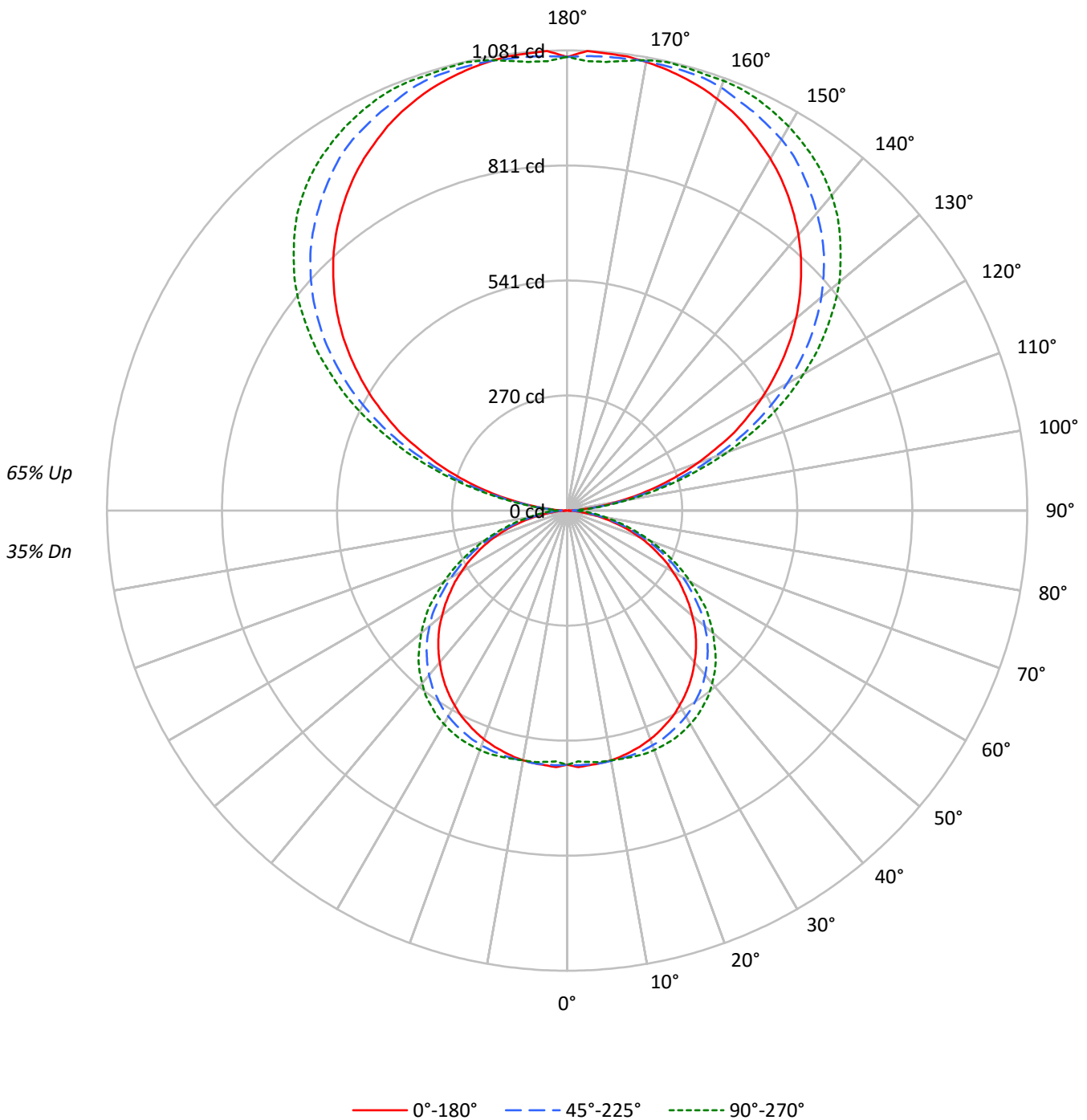
Input Watts (W): 44.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395603

CATALOG NUMBER: I3-FL-60L83050-1D-UNV-W2A-W-4 (3500K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395603

CATALOG NUMBER: I3-FL-60L83050-1D-UNV-W2A-W-4 (3500K)

**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°  | 3282 | 3282 | 3282 |
| 5°  | 3299 | 3228 | 3178 |
| 10° | 3300 | 3184 | 3140 |
| 15° | 3292 | 3156 | 3127 |
| 20° | 3293 | 3129 | 3123 |
| 25° | 3284 | 3101 | 3111 |
| 30° | 3273 | 3072 | 3083 |
| 35° | 3257 | 3023 | 3037 |
| 40° | 3225 | 2959 | 2971 |
| 45° | 3191 | 2868 | 2879 |
| 50° | 3118 | 2741 | 2739 |
| 55° | 3029 | 2568 | 2575 |
| 60° | 2927 | 2366 | 2326 |
| 65° | 2783 | 2120 | 2066 |
| 70° | 2584 | 1807 | 1745 |
| 75° | 2249 | 1436 | 1388 |
| 80° | 1754 | 1020 | 1016 |
| 85° | 950  | 584  | 667  |



TEST NUMBER: P395603

CATALOG NUMBER: I3-FL-60L83050-1D-UNV-W2A-W-4 (3500K)

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 56.9   | 1.0       |
| 10°-20°   | 167.5  | 3.1       |
| 20°-30°   | 264.1  | 4.8       |
| 30°-40°   | 331.9  | 6.0       |
| 40°-50°   | 356.9  | 6.5       |
| 50°-60°   | 328.3  | 6.0       |
| 60°-70°   | 251.5  | 4.6       |
| 70°-80°   | 143.2  | 2.6       |
| 80°-90°   | 44.7   | 0.8       |
| 90°-100°  | 59.8   | 1.1       |
| 100°-110° | 260.1  | 4.7       |
| 110°-120° | 476.2  | 8.7       |
| 120°-130° | 613.8  | 11.2      |
| 130°-140° | 653.1  | 11.9      |
| 140°-150° | 600.9  | 10.9      |
| 150°-160° | 476.0  | 8.7       |
| 160°-170° | 301.4  | 5.5       |
| 170°-180° | 102.1  | 1.9       |
| 0°-30°    | 488.5  | 8.9       |
| 0°-40°    | 820.4  | 14.9      |
| 0°-60°    | 1505.5 | 27.4      |
| 0°-90°    | 1945.0 | 35.4      |
| 90°-120°  | 796.1  | 14.5      |
| 90°-150°  | 2663.9 | 48.5      |
| 90°-180°  | 3543.0 | 64.6      |
| 0°-180°   | 5488.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 597  | 597   | 597  | 597   | 597  |      |
| 5°   | 600  | 594   | 599  | 596   | 593  | 57   |
| 15°  | 585  | 582   | 594  | 599   | 599  | 165  |
| 25°  | 552  | 554   | 575  | 588   | 593  | 255  |
| 35°  | 500  | 506   | 534  | 552   | 558  | 313  |
| 45°  | 428  | 438   | 467  | 486   | 494  | 330  |
| 55°  | 335  | 349   | 370  | 389   | 397  | 300  |
| 65°  | 234  | 241   | 256  | 268   | 272  | 232  |
| 75°  | 123  | 126   | 135  | 142   | 147  | 130  |
| 85°  | 22   | 28    | 37   | 48    | 51   | 28   |
| 90°  | 2    | 4     | 14   | 20    | 22   | 3    |
| 95°  | 40   | 39    | 43   | 49    | 51   | 50   |
| 105° | 220  | 230   | 248  | 263   | 268  | 234  |
| 115° | 432  | 452   | 488  | 513   | 527  | 424  |
| 125° | 618  | 645   | 694  | 729   | 744  | 552  |
| 135° | 777  | 802   | 853  | 889   | 907  | 599  |
| 145° | 904  | 923   | 965  | 994   | 1010 | 566  |
| 155° | 997  | 1009  | 1034 | 1055  | 1064 | 459  |
| 165° | 1054 | 1054  | 1069 | 1076  | 1078 | 298  |
| 175° | 1078 | 1070  | 1070 | 1066  | 1058 | 103  |
| 180° | 1066 | 1066  | 1066 | 1066  | 1066 |      |



TEST NUMBER: P395603

CATALOG NUMBER: I3-FL-60L83050-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 |
| 2.5°   | 603.2 | 601.7 | 600.2 | 597.2 | 597.2 | 595.7 | 595.7 | 595.7 | 595.7 | 597.2 | 598.7 |
| 5°     | 600.2 | 600.2 | 598.7 | 595.7 | 595.7 | 594.2 | 594.2 | 595.7 | 594.2 | 595.7 | 598.7 |
| 7.5°   | 598.7 | 598.7 | 597.2 | 594.2 | 594.2 | 594.2 | 594.2 | 594.2 | 594.2 | 595.7 | 598.7 |
| 10°    | 595.7 | 595.7 | 592.7 | 591.2 | 591.2 | 591.2 | 591.2 | 592.7 | 592.7 | 594.2 | 597.2 |
| 12.5°  | 591.2 | 589.7 | 588.2 | 586.7 | 586.7 | 586.7 | 588.2 | 589.7 | 589.7 | 592.7 | 595.7 |
| 15°    | 585.2 | 585.2 | 583.7 | 582.2 | 582.2 | 582.2 | 583.7 | 585.2 | 586.7 | 589.7 | 594.2 |
| 17.5°  | 579.2 | 579.2 | 577.7 | 577.7 | 577.7 | 577.7 | 579.2 | 580.7 | 583.7 | 586.7 | 591.2 |
| 20°    | 571.7 | 571.7 | 570.2 | 570.2 | 570.2 | 571.7 | 571.7 | 574.7 | 577.7 | 582.2 | 586.7 |
| 22.5°  | 562.7 | 562.7 | 562.7 | 561.2 | 562.7 | 564.2 | 565.7 | 568.7 | 571.7 | 576.2 | 582.2 |
| 25°    | 552.3 | 552.3 | 552.3 | 552.3 | 553.8 | 553.8 | 556.8 | 559.7 | 562.7 | 568.7 | 574.7 |
| 27.5°  | 541.8 | 541.8 | 541.8 | 540.3 | 543.3 | 544.8 | 546.3 | 550.8 | 553.8 | 561.2 | 567.2 |
| 30°    | 528.3 | 528.3 | 528.3 | 529.8 | 531.3 | 532.8 | 535.8 | 540.3 | 543.3 | 550.8 | 558.3 |
| 32.5°  | 514.8 | 514.8 | 514.8 | 514.8 | 519.3 | 520.8 | 522.3 | 526.8 | 532.8 | 540.3 | 547.8 |
| 35°    | 499.9 | 499.9 | 499.9 | 501.4 | 504.4 | 505.9 | 508.9 | 513.4 | 519.3 | 526.8 | 534.3 |
| 37.5°  | 483.4 | 484.9 | 484.9 | 486.4 | 489.4 | 492.4 | 495.4 | 499.9 | 505.9 | 513.4 | 520.8 |
| 40°    | 465.5 | 467.0 | 467.0 | 468.5 | 471.4 | 474.4 | 477.4 | 483.4 | 489.4 | 496.9 | 504.4 |
| 42.5°  | 447.5 | 449.0 | 449.0 | 452.0 | 455.0 | 458.0 | 461.0 | 467.0 | 472.9 | 480.4 | 486.4 |
| 45°    | 428.0 | 429.5 | 429.5 | 432.5 | 437.0 | 438.5 | 443.0 | 449.0 | 455.0 | 461.0 | 467.0 |
| 47.5°  | 407.1 | 408.6 | 408.6 | 411.6 | 416.1 | 419.1 | 422.1 | 428.0 | 432.5 | 440.0 | 446.0 |
| 50°    | 383.1 | 384.6 | 386.1 | 389.1 | 395.1 | 398.1 | 401.1 | 405.6 | 411.6 | 416.1 | 422.1 |
| 52.5°  | 360.7 | 360.7 | 362.2 | 365.2 | 369.7 | 372.7 | 374.2 | 378.7 | 386.1 | 392.1 | 398.1 |
| 55°    | 335.3 | 336.7 | 338.2 | 341.2 | 345.7 | 348.7 | 350.2 | 354.7 | 359.2 | 363.7 | 369.7 |
| 57.5°  | 312.8 | 312.8 | 314.3 | 317.3 | 321.8 | 323.3 | 324.8 | 327.8 | 333.8 | 338.2 | 342.7 |
| 60°    | 285.9 | 287.4 | 288.9 | 291.8 | 294.8 | 297.8 | 297.8 | 302.3 | 306.8 | 311.3 | 314.3 |
| 62.5°  | 261.9 | 261.9 | 263.4 | 266.4 | 267.9 | 270.9 | 270.9 | 275.4 | 278.4 | 282.9 | 285.9 |
| 65°    | 233.5 | 235.0 | 236.5 | 238.0 | 241.0 | 241.0 | 242.5 | 245.5 | 248.4 | 251.4 | 255.9 |
| 67.5°  | 208.0 | 208.0 | 209.5 | 211.0 | 212.5 | 212.5 | 214.0 | 217.0 | 220.0 | 223.0 | 226.0 |
| 70°    | 179.6 | 181.1 | 181.1 | 181.1 | 182.6 | 184.1 | 185.6 | 187.1 | 190.1 | 191.6 | 194.6 |
| 72.5°  | 151.2 | 151.2 | 152.7 | 152.7 | 154.2 | 155.7 | 157.1 | 158.6 | 160.1 | 163.1 | 164.6 |
| 75°    | 122.7 | 122.7 | 124.2 | 124.2 | 125.7 | 125.7 | 125.7 | 128.7 | 130.2 | 133.2 | 134.7 |
| 77.5°  | 94.3  | 95.8  | 95.8  | 95.8  | 97.3  | 98.8  | 98.8  | 100.3 | 103.3 | 104.8 | 106.3 |
| 80°    | 68.8  | 68.8  | 68.8  | 68.8  | 70.3  | 71.8  | 73.3  | 73.3  | 76.3  | 79.3  | 80.8  |
| 82.5°  | 43.4  | 43.4  | 44.9  | 46.4  | 46.4  | 47.9  | 49.4  | 50.9  | 53.9  | 55.4  | 56.9  |
| 85°    | 22.4  | 22.4  | 23.9  | 25.4  | 26.9  | 28.4  | 28.4  | 29.9  | 32.9  | 35.9  | 37.4  |
| 87.5°  | 7.5   | 9.0   | 9.0   | 10.5  | 12.0  | 13.5  | 15.0  | 16.5  | 19.5  | 22.4  | 23.9  |
| 90°    | 1.5   | 1.5   | 1.5   | 3.0   | 4.5   | 4.5   | 6.0   | 7.5   | 9.0   | 10.5  | 13.5  |
| 92.5°  | 13.5  | 13.5  | 12.0  | 13.5  | 13.5  | 13.5  | 13.5  | 15.0  | 16.5  | 16.5  | 19.5  |
| 95°    | 40.4  | 38.9  | 38.9  | 38.9  | 38.9  | 38.9  | 38.9  | 40.4  | 41.9  | 41.9  | 43.4  |
| 97.5°  | 77.8  | 77.8  | 76.3  | 76.3  | 77.8  | 77.8  | 77.8  | 79.3  | 82.3  | 80.8  | 83.8  |
| 100°   | 121.2 | 121.2 | 119.7 | 121.2 | 122.7 | 124.2 | 127.2 | 127.2 | 130.2 | 130.2 | 134.7 |
| 102.5° | 170.6 | 170.6 | 169.1 | 172.1 | 173.6 | 176.6 | 176.6 | 179.6 | 184.1 | 184.1 | 190.1 |
| 105°   | 220.0 | 221.5 | 221.5 | 224.5 | 227.5 | 230.5 | 230.5 | 235.0 | 241.0 | 241.0 | 248.4 |
| 107.5° | 273.9 | 275.4 | 275.4 | 278.4 | 281.4 | 284.4 | 285.9 | 291.8 | 297.8 | 299.3 | 308.3 |
| 110°   | 326.3 | 327.8 | 329.3 | 332.3 | 335.3 | 339.7 | 342.7 | 348.7 | 356.2 | 359.2 | 366.7 |



TEST NUMBER: P395603

CATALOG NUMBER: I3-FL-60L83050-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 375.7  | 381.6  | 383.1  | 387.6  | 392.1  | 396.6  | 399.6  | 407.1  | 416.1  | 420.6  | 429.5  |
| 115°   | 432.5  | 435.5  | 437.0  | 441.5  | 447.5  | 452.0  | 455.0  | 462.5  | 471.4  | 477.4  | 487.9  |
| 117.5° | 478.9  | 486.4  | 487.9  | 492.4  | 498.4  | 502.9  | 505.9  | 514.8  | 525.3  | 532.8  | 543.3  |
| 120°   | 528.3  | 534.3  | 540.3  | 543.3  | 547.8  | 553.8  | 556.8  | 565.7  | 577.7  | 585.2  | 597.2  |
| 122.5° | 573.2  | 579.2  | 585.2  | 589.7  | 595.7  | 598.7  | 603.2  | 613.6  | 625.6  | 634.6  | 646.6  |
| 125°   | 618.1  | 625.6  | 630.1  | 634.6  | 642.1  | 645.1  | 649.5  | 660.0  | 672.0  | 682.5  | 694.4  |
| 127.5° | 661.5  | 666.0  | 673.5  | 676.5  | 684.0  | 687.0  | 691.5  | 703.4  | 715.4  | 725.9  | 737.8  |
| 130°   | 701.9  | 707.9  | 713.9  | 715.4  | 724.4  | 728.9  | 733.4  | 743.8  | 757.3  | 767.8  | 779.8  |
| 132.5° | 740.8  | 743.8  | 751.3  | 755.8  | 763.3  | 767.8  | 772.3  | 781.3  | 794.7  | 805.2  | 817.2  |
| 135°   | 776.8  | 779.8  | 788.7  | 793.2  | 797.7  | 802.2  | 808.2  | 817.2  | 830.6  | 841.1  | 853.1  |
| 137.5° | 812.7  | 815.7  | 824.7  | 829.1  | 832.1  | 836.6  | 841.1  | 850.1  | 863.6  | 874.0  | 884.5  |
| 140°   | 845.6  | 848.6  | 854.6  | 860.6  | 863.6  | 866.6  | 871.1  | 880.0  | 892.0  | 902.5  | 913.0  |
| 142.5° | 875.5  | 878.5  | 884.5  | 890.5  | 895.0  | 895.0  | 899.5  | 907.0  | 920.4  | 930.9  | 939.9  |
| 145°   | 904.0  | 905.5  | 911.5  | 917.4  | 923.4  | 923.4  | 924.9  | 932.4  | 944.4  | 956.4  | 965.3  |
| 147.5° | 930.9  | 932.4  | 936.9  | 942.9  | 947.4  | 948.9  | 951.9  | 954.9  | 966.8  | 978.8  | 989.3  |
| 150°   | 954.9  | 956.4  | 959.4  | 965.3  | 968.3  | 971.3  | 974.3  | 975.8  | 984.8  | 995.3  | 1007.2 |
| 152.5° | 975.8  | 977.3  | 980.3  | 984.8  | 987.8  | 990.8  | 993.8  | 998.3  | 1002.8 | 1013.2 | 1020.7 |
| 155°   | 996.8  | 998.3  | 999.8  | 1004.3 | 1007.2 | 1008.7 | 1010.2 | 1016.2 | 1020.7 | 1026.7 | 1034.2 |
| 157.5° | 1014.7 | 1014.7 | 1016.2 | 1019.2 | 1022.2 | 1022.2 | 1023.7 | 1029.7 | 1034.2 | 1040.2 | 1044.7 |
| 160°   | 1029.7 | 1029.7 | 1031.2 | 1034.2 | 1034.2 | 1035.7 | 1037.2 | 1041.7 | 1044.7 | 1052.1 | 1058.1 |
| 162.5° | 1043.2 | 1041.7 | 1043.2 | 1044.7 | 1044.7 | 1044.7 | 1046.2 | 1049.2 | 1053.6 | 1059.6 | 1065.6 |
| 165°   | 1053.6 | 1053.6 | 1053.6 | 1055.1 | 1055.1 | 1053.6 | 1053.6 | 1056.6 | 1059.6 | 1064.1 | 1068.6 |
| 167.5° | 1062.6 | 1062.6 | 1061.1 | 1062.6 | 1061.1 | 1061.1 | 1059.6 | 1061.1 | 1062.6 | 1067.1 | 1070.1 |
| 170°   | 1070.1 | 1068.6 | 1068.6 | 1068.6 | 1067.1 | 1065.6 | 1065.6 | 1065.6 | 1065.6 | 1068.6 | 1071.6 |
| 172.5° | 1076.1 | 1074.6 | 1073.1 | 1073.1 | 1070.1 | 1068.6 | 1068.6 | 1067.1 | 1067.1 | 1068.6 | 1070.1 |
| 175°   | 1077.6 | 1076.1 | 1074.6 | 1074.6 | 1071.6 | 1070.1 | 1068.6 | 1068.6 | 1067.1 | 1068.6 | 1070.1 |
| 177.5° | 1080.6 | 1079.1 | 1076.1 | 1076.1 | 1073.1 | 1070.1 | 1070.1 | 1068.6 | 1067.1 | 1068.6 | 1068.6 |
| 180°   | 1065.6 | 1065.6 | 1065.6 | 1065.6 | 1065.6 | 1065.6 | 1065.6 | 1065.6 | 1065.6 | 1065.6 | 1065.6 |



TEST NUMBER: P395603

CATALOG NUMBER: I3-FL-60L83050-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 |
| 2.5°   | 600.2 | 600.2 | 598.7 | 597.2 | 597.2 | 595.7 | 594.2 | 592.7 | 591.2 | 589.7 |
| 5°     | 600.2 | 598.7 | 597.2 | 597.2 | 595.7 | 595.7 | 595.7 | 594.2 | 592.7 | 592.7 |
| 7.5°   | 600.2 | 600.2 | 598.7 | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 | 595.7 | 595.7 |
| 10°    | 600.2 | 598.7 | 598.7 | 598.7 | 597.2 | 598.7 | 598.7 | 597.2 | 597.2 | 595.7 |
| 12.5°  | 598.7 | 598.7 | 598.7 | 598.7 | 598.7 | 598.7 | 598.7 | 598.7 | 598.7 | 597.2 |
| 15°    | 595.7 | 597.2 | 597.2 | 598.7 | 598.7 | 598.7 | 600.2 | 600.2 | 598.7 | 598.7 |
| 17.5°  | 594.2 | 595.7 | 597.2 | 598.7 | 598.7 | 598.7 | 600.2 | 600.2 | 600.2 | 600.2 |
| 20°    | 591.2 | 592.7 | 594.2 | 595.7 | 595.7 | 597.2 | 597.2 | 598.7 | 598.7 | 598.7 |
| 22.5°  | 585.2 | 586.7 | 589.7 | 591.2 | 592.7 | 594.2 | 595.7 | 595.7 | 595.7 | 595.7 |
| 25°    | 579.2 | 582.2 | 583.7 | 586.7 | 588.2 | 589.7 | 591.2 | 591.2 | 591.2 | 592.7 |
| 27.5°  | 571.7 | 574.7 | 579.2 | 580.7 | 582.2 | 583.7 | 585.2 | 586.7 | 586.7 | 586.7 |
| 30°    | 562.7 | 567.2 | 570.2 | 573.2 | 574.7 | 576.2 | 577.7 | 577.7 | 579.2 | 579.2 |
| 32.5°  | 552.3 | 556.8 | 559.7 | 562.7 | 564.2 | 565.7 | 568.7 | 568.7 | 570.2 | 570.2 |
| 35°    | 538.8 | 543.3 | 547.8 | 550.8 | 552.3 | 553.8 | 556.8 | 558.3 | 558.3 | 558.3 |
| 37.5°  | 525.3 | 529.8 | 534.3 | 538.8 | 540.3 | 541.8 | 544.8 | 544.8 | 546.3 | 546.3 |
| 40°    | 508.9 | 513.4 | 517.8 | 522.3 | 522.3 | 525.3 | 526.8 | 528.3 | 529.8 | 529.8 |
| 42.5°  | 492.4 | 496.9 | 499.9 | 504.4 | 505.9 | 507.4 | 508.9 | 511.9 | 511.9 | 513.4 |
| 45°    | 472.9 | 477.4 | 480.4 | 484.9 | 486.4 | 487.9 | 490.9 | 492.4 | 493.9 | 493.9 |
| 47.5°  | 452.0 | 455.0 | 458.0 | 462.5 | 465.5 | 467.0 | 468.5 | 469.9 | 471.4 | 469.9 |
| 50°    | 428.0 | 431.0 | 435.5 | 440.0 | 441.5 | 443.0 | 446.0 | 446.0 | 447.5 | 447.5 |
| 52.5°  | 402.6 | 407.1 | 410.1 | 414.6 | 416.1 | 417.6 | 420.6 | 420.6 | 422.1 | 422.1 |
| 55°    | 374.2 | 377.2 | 380.1 | 387.6 | 389.1 | 390.6 | 393.6 | 393.6 | 395.1 | 396.6 |
| 57.5°  | 347.2 | 348.7 | 353.2 | 356.2 | 359.2 | 359.2 | 360.7 | 362.2 | 363.7 | 363.7 |
| 60°    | 318.8 | 320.3 | 323.3 | 327.8 | 327.8 | 329.3 | 332.3 | 332.3 | 333.8 | 333.8 |
| 62.5°  | 288.9 | 291.8 | 294.8 | 299.3 | 297.8 | 299.3 | 302.3 | 302.3 | 303.8 | 303.8 |
| 65°    | 258.9 | 260.4 | 263.4 | 266.4 | 267.9 | 267.9 | 269.4 | 270.9 | 272.4 | 272.4 |
| 67.5°  | 227.5 | 230.5 | 232.0 | 236.5 | 235.0 | 236.5 | 238.0 | 238.0 | 239.5 | 239.5 |
| 70°    | 197.6 | 199.1 | 202.0 | 203.5 | 203.5 | 205.0 | 206.5 | 206.5 | 206.5 | 208.0 |
| 72.5°  | 167.6 | 169.1 | 170.6 | 172.1 | 172.1 | 173.6 | 175.1 | 175.1 | 176.6 | 176.6 |
| 75°    | 136.2 | 139.2 | 140.7 | 143.7 | 142.2 | 143.7 | 146.7 | 146.7 | 146.7 | 146.7 |
| 77.5°  | 109.3 | 110.8 | 113.7 | 115.2 | 115.2 | 115.2 | 118.2 | 116.7 | 118.2 | 118.2 |
| 80°    | 82.3  | 83.8  | 86.8  | 88.3  | 88.3  | 89.8  | 91.3  | 91.3  | 91.3  | 92.8  |
| 82.5°  | 58.4  | 61.4  | 64.4  | 65.9  | 65.9  | 67.3  | 68.8  | 68.8  | 70.3  | 70.3  |
| 85°    | 40.4  | 43.4  | 46.4  | 46.4  | 47.9  | 49.4  | 50.9  | 50.9  | 50.9  | 50.9  |
| 87.5°  | 26.9  | 28.4  | 29.9  | 31.4  | 32.9  | 32.9  | 34.4  | 34.4  | 35.9  | 35.9  |
| 90°    | 15.0  | 16.5  | 18.0  | 19.5  | 19.5  | 21.0  | 21.0  | 22.4  | 22.4  | 22.4  |
| 92.5°  | 21.0  | 21.0  | 22.4  | 23.9  | 23.9  | 23.9  | 23.9  | 25.4  | 25.4  | 25.4  |
| 95°    | 44.9  | 46.4  | 46.4  | 49.4  | 49.4  | 49.4  | 50.9  | 50.9  | 50.9  | 50.9  |
| 97.5°  | 86.8  | 86.8  | 86.8  | 89.8  | 89.8  | 89.8  | 91.3  | 91.3  | 91.3  | 92.8  |
| 100°   | 136.2 | 137.7 | 137.7 | 142.2 | 140.7 | 143.7 | 143.7 | 143.7 | 143.7 | 145.2 |
| 102.5° | 191.6 | 194.6 | 196.1 | 200.6 | 200.6 | 200.6 | 203.5 | 202.0 | 203.5 | 203.5 |
| 105°   | 251.4 | 254.4 | 255.9 | 260.4 | 263.4 | 263.4 | 266.4 | 264.9 | 266.4 | 267.9 |
| 107.5° | 311.3 | 315.8 | 318.8 | 323.3 | 326.3 | 327.8 | 327.8 | 329.3 | 330.8 | 332.3 |
| 110°   | 372.7 | 377.2 | 384.6 | 389.1 | 390.6 | 393.6 | 395.1 | 396.6 | 398.1 | 401.1 |





TEST NUMBER: P395603

CATALOG NUMBER: I3-FL-60L83050-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 437.0  | 441.5  | 447.5  | 453.5  | 452.0  | 456.5  | 459.5  | 461.0  | 462.5  | 461.0  |
| 115°   | 495.4  | 501.4  | 507.4  | 513.4  | 513.4  | 516.3  | 522.3  | 523.8  | 523.8  | 526.8  |
| 117.5° | 550.8  | 558.3  | 564.2  | 570.2  | 571.7  | 574.7  | 579.2  | 583.7  | 583.7  | 586.7  |
| 120°   | 604.6  | 613.6  | 619.6  | 625.6  | 628.6  | 630.1  | 634.6  | 640.6  | 640.6  | 640.6  |
| 122.5° | 655.5  | 663.0  | 670.5  | 676.5  | 679.5  | 682.5  | 685.5  | 693.0  | 693.0  | 695.9  |
| 125°   | 703.4  | 712.4  | 719.9  | 725.9  | 728.9  | 731.9  | 737.8  | 742.3  | 743.8  | 743.8  |
| 127.5° | 748.3  | 757.3  | 764.8  | 772.3  | 773.8  | 776.8  | 782.7  | 788.7  | 790.2  | 791.7  |
| 130°   | 790.2  | 799.2  | 806.7  | 814.2  | 817.2  | 818.7  | 826.2  | 830.6  | 833.6  | 835.1  |
| 132.5° | 827.6  | 836.6  | 844.1  | 851.6  | 854.6  | 857.6  | 862.1  | 869.6  | 871.1  | 871.1  |
| 135°   | 862.1  | 871.1  | 878.5  | 887.5  | 889.0  | 892.0  | 898.0  | 902.5  | 905.5  | 907.0  |
| 137.5° | 893.5  | 902.5  | 911.5  | 918.9  | 921.9  | 923.4  | 929.4  | 935.4  | 938.4  | 939.9  |
| 140°   | 921.9  | 930.9  | 939.9  | 945.9  | 947.4  | 951.9  | 956.4  | 962.3  | 965.3  | 966.8  |
| 142.5° | 948.9  | 956.4  | 963.8  | 971.3  | 972.8  | 975.8  | 980.3  | 986.3  | 989.3  | 990.8  |
| 145°   | 972.8  | 980.3  | 986.3  | 992.3  | 993.8  | 996.8  | 1001.3 | 1005.8 | 1008.7 | 1010.2 |
| 147.5° | 995.3  | 1001.3 | 1007.2 | 1011.7 | 1013.2 | 1016.2 | 1019.2 | 1022.2 | 1025.2 | 1026.7 |
| 150°   | 1014.7 | 1017.7 | 1023.7 | 1026.7 | 1028.2 | 1031.2 | 1034.2 | 1037.2 | 1040.2 | 1041.7 |
| 152.5° | 1029.7 | 1034.2 | 1037.2 | 1041.7 | 1043.2 | 1044.7 | 1047.7 | 1050.6 | 1053.6 | 1053.6 |
| 155°   | 1041.7 | 1046.2 | 1049.2 | 1053.6 | 1055.1 | 1056.6 | 1059.6 | 1061.1 | 1064.1 | 1064.1 |
| 157.5° | 1050.6 | 1055.1 | 1058.1 | 1061.1 | 1062.6 | 1064.1 | 1065.6 | 1068.6 | 1071.6 | 1071.6 |
| 160°   | 1061.1 | 1062.6 | 1064.1 | 1067.1 | 1067.1 | 1068.6 | 1070.1 | 1071.6 | 1074.6 | 1074.6 |
| 162.5° | 1070.1 | 1071.6 | 1068.6 | 1070.1 | 1068.6 | 1070.1 | 1071.6 | 1073.1 | 1074.6 | 1074.6 |
| 165°   | 1073.1 | 1076.1 | 1074.6 | 1076.1 | 1076.1 | 1076.1 | 1076.1 | 1077.6 | 1077.6 | 1077.6 |
| 167.5° | 1073.1 | 1076.1 | 1074.6 | 1074.6 | 1076.1 | 1076.1 | 1077.6 | 1079.1 | 1079.1 | 1079.1 |
| 170°   | 1073.1 | 1074.6 | 1073.1 | 1071.6 | 1073.1 | 1073.1 | 1073.1 | 1074.6 | 1074.6 | 1074.6 |
| 172.5° | 1071.6 | 1073.1 | 1070.1 | 1068.6 | 1068.6 | 1068.6 | 1067.1 | 1067.1 | 1065.6 | 1065.6 |
| 175°   | 1070.1 | 1070.1 | 1067.1 | 1065.6 | 1065.6 | 1065.6 | 1062.6 | 1061.1 | 1059.6 | 1058.1 |
| 177.5° | 1068.6 | 1068.6 | 1064.1 | 1062.6 | 1062.6 | 1061.1 | 1061.1 | 1058.1 | 1058.1 | 1056.6 |
| 180°   | 1065.6 | 1065.6 | 1065.6 | 1065.6 | 1065.6 | 1065.6 | 1065.6 | 1065.6 | 1065.6 | 1065.6 |

(END OF REPORT)