

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: P395537

Luminaire Tested: **I3-FL-30L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395537  
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-30L93050-1D-UNV-W2A-W-4 (3000K)  
Description: CORELITE I3, FROSTED TOP COVER  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2130.9 lumens  
Efficiency: N/A  
Efficacy: 100.5 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

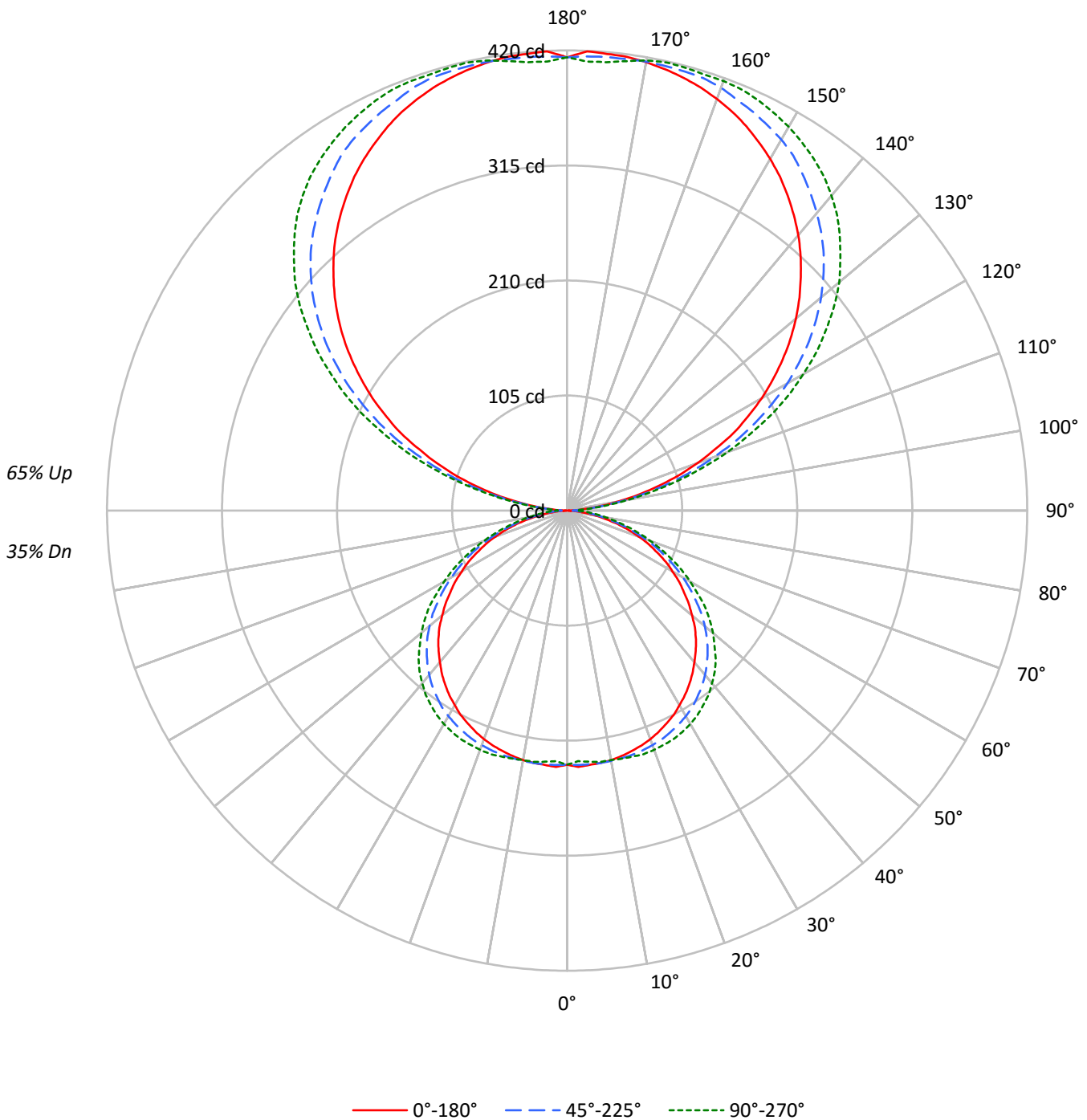
Input Watts (W): 21.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395537

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (3000K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395537

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (3000K)

**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°  | 1275 | 1275 | 1275 |
| 5°  | 1281 | 1253 | 1234 |
| 10° | 1281 | 1236 | 1219 |
| 15° | 1278 | 1225 | 1214 |
| 20° | 1279 | 1215 | 1212 |
| 25° | 1275 | 1204 | 1208 |
| 30° | 1271 | 1192 | 1197 |
| 35° | 1265 | 1173 | 1179 |
| 40° | 1252 | 1149 | 1153 |
| 45° | 1239 | 1113 | 1118 |
| 50° | 1211 | 1064 | 1063 |
| 55° | 1176 | 997  | 1000 |
| 60° | 1136 | 918  | 903  |
| 65° | 1080 | 823  | 802  |
| 70° | 1003 | 701  | 678  |
| 75° | 872  | 558  | 538  |
| 80° | 681  | 396  | 394  |
| 85° | 369  | 226  | 260  |



TEST NUMBER: P395537

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (3000K)

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 22.1   | 1.0       |
| 10°-20°   | 65.0   | 3.1       |
| 20°-30°   | 102.5  | 4.8       |
| 30°-40°   | 128.9  | 6.0       |
| 40°-50°   | 138.6  | 6.5       |
| 50°-60°   | 127.5  | 6.0       |
| 60°-70°   | 97.6   | 4.6       |
| 70°-80°   | 55.6   | 2.6       |
| 80°-90°   | 17.4   | 0.8       |
| 90°-100°  | 23.2   | 1.1       |
| 100°-110° | 101.0  | 4.7       |
| 110°-120° | 184.9  | 8.7       |
| 120°-130° | 238.3  | 11.2      |
| 130°-140° | 253.6  | 11.9      |
| 140°-150° | 233.3  | 10.9      |
| 150°-160° | 184.8  | 8.7       |
| 160°-170° | 117.0  | 5.5       |
| 170°-180° | 39.6   | 1.9       |
| 0°-30°    | 189.7  | 8.9       |
| 0°-40°    | 318.5  | 14.9      |
| 0°-60°    | 584.5  | 27.4      |
| 0°-90°    | 755.1  | 35.4      |
| 90°-120°  | 309.1  | 14.5      |
| 90°-150°  | 1034.3 | 48.5      |
| 90°-180°  | 1376.0 | 64.6      |
| 0°-180°   | 2130.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 232 | 232   | 232 | 232   | 232 |      |
| 5°   | 233 | 231   | 232 | 231   | 230 | 22   |
| 15°  | 227 | 226   | 231 | 232   | 232 | 64   |
| 25°  | 214 | 215   | 223 | 228   | 230 | 99   |
| 35°  | 194 | 196   | 207 | 214   | 217 | 121  |
| 45°  | 166 | 170   | 181 | 189   | 192 | 128  |
| 55°  | 130 | 135   | 144 | 151   | 154 | 117  |
| 65°  | 91  | 94    | 99  | 104   | 106 | 90   |
| 75°  | 48  | 49    | 52  | 55    | 57  | 50   |
| 85°  | 9   | 11    | 14  | 19    | 20  | 11   |
| 90°  | 1   | 2     | 5   | 8     | 9   | 1    |
| 95°  | 16  | 15    | 17  | 19    | 20  | 20   |
| 105° | 85  | 90    | 96  | 102   | 104 | 91   |
| 115° | 168 | 176   | 189 | 199   | 204 | 165  |
| 125° | 240 | 250   | 270 | 283   | 289 | 214  |
| 135° | 302 | 312   | 331 | 345   | 352 | 233  |
| 145° | 351 | 358   | 375 | 386   | 392 | 220  |
| 155° | 387 | 392   | 402 | 410   | 413 | 178  |
| 165° | 409 | 409   | 415 | 418   | 418 | 116  |
| 175° | 418 | 416   | 416 | 414   | 411 | 40   |
| 180° | 414 | 414   | 414 | 414   | 414 |      |



TEST NUMBER: P395537

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 |
| 2.5°   | 234.2 | 233.6 | 233.0 | 231.9 | 231.9 | 231.3 | 231.3 | 231.3 | 231.3 | 231.9 | 232.4 |
| 5°     | 233.0 | 233.0 | 232.4 | 231.3 | 231.3 | 230.7 | 230.7 | 231.3 | 230.7 | 231.3 | 232.4 |
| 7.5°   | 232.4 | 232.4 | 231.9 | 230.7 | 230.7 | 230.7 | 230.7 | 230.7 | 230.7 | 231.3 | 232.4 |
| 10°    | 231.3 | 231.3 | 230.1 | 229.5 | 229.5 | 229.5 | 229.5 | 230.1 | 230.1 | 230.7 | 231.9 |
| 12.5°  | 229.5 | 228.9 | 228.4 | 227.8 | 227.8 | 227.8 | 228.4 | 228.9 | 228.9 | 230.1 | 231.3 |
| 15°    | 227.2 | 227.2 | 226.6 | 226.0 | 226.0 | 226.0 | 226.6 | 227.2 | 227.8 | 228.9 | 230.7 |
| 17.5°  | 224.9 | 224.9 | 224.3 | 224.3 | 224.3 | 224.3 | 224.9 | 225.5 | 226.6 | 227.8 | 229.5 |
| 20°    | 222.0 | 222.0 | 221.4 | 221.4 | 221.4 | 222.0 | 222.0 | 223.1 | 224.3 | 226.0 | 227.8 |
| 22.5°  | 218.5 | 218.5 | 218.5 | 217.9 | 218.5 | 219.1 | 219.6 | 220.8 | 222.0 | 223.7 | 226.0 |
| 25°    | 214.4 | 214.4 | 214.4 | 214.4 | 215.0 | 215.0 | 216.2 | 217.3 | 218.5 | 220.8 | 223.1 |
| 27.5°  | 210.4 | 210.4 | 210.4 | 209.8 | 210.9 | 211.5 | 212.1 | 213.8 | 215.0 | 217.9 | 220.2 |
| 30°    | 205.1 | 205.1 | 205.1 | 205.7 | 206.3 | 206.9 | 208.0 | 209.8 | 210.9 | 213.8 | 216.7 |
| 32.5°  | 199.9 | 199.9 | 199.9 | 199.9 | 201.6 | 202.2 | 202.8 | 204.5 | 206.9 | 209.8 | 212.7 |
| 35°    | 194.1 | 194.1 | 194.1 | 194.7 | 195.8 | 196.4 | 197.6 | 199.3 | 201.6 | 204.5 | 207.4 |
| 37.5°  | 187.7 | 188.3 | 188.3 | 188.9 | 190.0 | 191.2 | 192.3 | 194.1 | 196.4 | 199.3 | 202.2 |
| 40°    | 180.7 | 181.3 | 181.3 | 181.9 | 183.0 | 184.2 | 185.4 | 187.7 | 190.0 | 192.9 | 195.8 |
| 42.5°  | 173.7 | 174.3 | 174.3 | 175.5 | 176.6 | 177.8 | 179.0 | 181.3 | 183.6 | 186.5 | 188.9 |
| 45°    | 166.2 | 166.8 | 166.8 | 167.9 | 169.7 | 170.3 | 172.0 | 174.3 | 176.6 | 179.0 | 181.3 |
| 47.5°  | 158.1 | 158.6 | 158.6 | 159.8 | 161.5 | 162.7 | 163.9 | 166.2 | 167.9 | 170.8 | 173.2 |
| 50°    | 148.8 | 149.3 | 149.9 | 151.1 | 153.4 | 154.6 | 155.7 | 157.5 | 159.8 | 161.5 | 163.9 |
| 52.5°  | 140.0 | 140.0 | 140.6 | 141.8 | 143.5 | 144.7 | 145.3 | 147.0 | 149.9 | 152.2 | 154.6 |
| 55°    | 130.2 | 130.7 | 131.3 | 132.5 | 134.2 | 135.4 | 136.0 | 137.7 | 139.5 | 141.2 | 143.5 |
| 57.5°  | 121.4 | 121.4 | 122.0 | 123.2 | 124.9 | 125.5 | 126.1 | 127.3 | 129.6 | 131.3 | 133.1 |
| 60°    | 111.0 | 111.6 | 112.1 | 113.3 | 114.5 | 115.6 | 115.6 | 117.4 | 119.1 | 120.9 | 122.0 |
| 62.5°  | 101.7 | 101.7 | 102.3 | 103.4 | 104.0 | 105.2 | 105.2 | 106.9 | 108.1 | 109.8 | 111.0 |
| 65°    | 90.6  | 91.2  | 91.8  | 92.4  | 93.6  | 93.6  | 94.1  | 95.3  | 96.5  | 97.6  | 99.4  |
| 67.5°  | 80.8  | 80.8  | 81.4  | 81.9  | 82.5  | 82.5  | 83.1  | 84.3  | 85.4  | 86.6  | 87.7  |
| 70°    | 69.7  | 70.3  | 70.3  | 70.3  | 70.9  | 71.5  | 72.1  | 72.6  | 73.8  | 74.4  | 75.5  |
| 72.5°  | 58.7  | 58.7  | 59.3  | 59.3  | 59.9  | 60.4  | 61.0  | 61.6  | 62.2  | 63.3  | 63.9  |
| 75°    | 47.6  | 47.6  | 48.2  | 48.2  | 48.8  | 48.8  | 48.8  | 50.0  | 50.6  | 51.7  | 52.3  |
| 77.5°  | 36.6  | 37.2  | 37.2  | 37.2  | 37.8  | 38.4  | 38.4  | 38.9  | 40.1  | 40.7  | 41.3  |
| 80°    | 26.7  | 26.7  | 26.7  | 26.7  | 27.3  | 27.9  | 28.5  | 28.5  | 29.6  | 30.8  | 31.4  |
| 82.5°  | 16.9  | 16.9  | 17.4  | 18.0  | 18.0  | 18.6  | 19.2  | 19.8  | 20.9  | 21.5  | 22.1  |
| 85°    | 8.7   | 8.7   | 9.3   | 9.9   | 10.5  | 11.0  | 11.0  | 11.6  | 12.8  | 13.9  | 14.5  |
| 87.5°  | 2.9   | 3.5   | 3.5   | 4.1   | 4.6   | 5.2   | 5.8   | 6.4   | 7.6   | 8.7   | 9.3   |
| 90°    | 0.6   | 0.6   | 0.6   | 1.2   | 1.7   | 1.7   | 2.3   | 2.9   | 3.5   | 4.1   | 5.2   |
| 92.5°  | 5.2   | 5.2   | 4.6   | 5.2   | 5.2   | 5.2   | 5.2   | 5.8   | 6.4   | 6.4   | 7.6   |
| 95°    | 15.7  | 15.1  | 15.1  | 15.1  | 15.1  | 15.1  | 15.1  | 15.7  | 16.3  | 16.3  | 16.9  |
| 97.5°  | 30.2  | 30.2  | 29.6  | 29.6  | 30.2  | 30.2  | 30.2  | 30.8  | 32.0  | 31.4  | 32.5  |
| 100°   | 47.1  | 47.1  | 46.5  | 47.1  | 47.6  | 48.2  | 49.4  | 49.4  | 50.6  | 50.6  | 52.3  |
| 102.5° | 66.2  | 66.2  | 65.7  | 66.8  | 67.4  | 68.6  | 68.6  | 69.7  | 71.5  | 71.5  | 73.8  |
| 105°   | 85.4  | 86.0  | 86.0  | 87.2  | 88.3  | 89.5  | 89.5  | 91.2  | 93.6  | 93.6  | 96.5  |
| 107.5° | 106.3 | 106.9 | 106.9 | 108.1 | 109.2 | 110.4 | 111.0 | 113.3 | 115.6 | 116.2 | 119.7 |
| 110°   | 126.7 | 127.3 | 127.8 | 129.0 | 130.2 | 131.9 | 133.1 | 135.4 | 138.3 | 139.5 | 142.4 |



TEST NUMBER: P395537

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 145.9 | 148.2 | 148.8 | 150.5 | 152.2 | 154.0 | 155.1 | 158.1 | 161.5 | 163.3 | 166.8 |
| 115°   | 167.9 | 169.1 | 169.7 | 171.4 | 173.7 | 175.5 | 176.6 | 179.6 | 183.0 | 185.4 | 189.4 |
| 117.5° | 185.9 | 188.9 | 189.4 | 191.2 | 193.5 | 195.2 | 196.4 | 199.9 | 204.0 | 206.9 | 210.9 |
| 120°   | 205.1 | 207.4 | 209.8 | 210.9 | 212.7 | 215.0 | 216.2 | 219.6 | 224.3 | 227.2 | 231.9 |
| 122.5° | 222.6 | 224.9 | 227.2 | 228.9 | 231.3 | 232.4 | 234.2 | 238.2 | 242.9 | 246.4 | 251.0 |
| 125°   | 240.0 | 242.9 | 244.6 | 246.4 | 249.3 | 250.4 | 252.2 | 256.3 | 260.9 | 265.0 | 269.6 |
| 127.5° | 256.8 | 258.6 | 261.5 | 262.6 | 265.6 | 266.7 | 268.5 | 273.1 | 277.8 | 281.8 | 286.5 |
| 130°   | 272.5 | 274.9 | 277.2 | 277.8 | 281.2 | 283.0 | 284.7 | 288.8 | 294.0 | 298.1 | 302.7 |
| 132.5° | 287.6 | 288.8 | 291.7 | 293.4 | 296.4 | 298.1 | 299.8 | 303.3 | 308.6 | 312.6 | 317.3 |
| 135°   | 301.6 | 302.7 | 306.2 | 308.0 | 309.7 | 311.5 | 313.8 | 317.3 | 322.5 | 326.6 | 331.2 |
| 137.5° | 315.5 | 316.7 | 320.2 | 321.9 | 323.1 | 324.8 | 326.6 | 330.1 | 335.3 | 339.4 | 343.4 |
| 140°   | 328.3 | 329.5 | 331.8 | 334.1 | 335.3 | 336.4 | 338.2 | 341.7 | 346.3 | 350.4 | 354.5 |
| 142.5° | 339.9 | 341.1 | 343.4 | 345.7 | 347.5 | 347.5 | 349.2 | 352.1 | 357.4 | 361.4 | 364.9 |
| 145°   | 351.0 | 351.6 | 353.9 | 356.2 | 358.5 | 358.5 | 359.1 | 362.0 | 366.7 | 371.3 | 374.8 |
| 147.5° | 361.4 | 362.0 | 363.8 | 366.1 | 367.8 | 368.4 | 369.6 | 370.7 | 375.4 | 380.0 | 384.1 |
| 150°   | 370.7 | 371.3 | 372.5 | 374.8 | 376.0 | 377.1 | 378.3 | 378.9 | 382.4 | 386.4 | 391.1 |
| 152.5° | 378.9 | 379.4 | 380.6 | 382.4 | 383.5 | 384.7 | 385.8 | 387.6 | 389.3 | 393.4 | 396.3 |
| 155°   | 387.0 | 387.6 | 388.2 | 389.9 | 391.1 | 391.6 | 392.2 | 394.6 | 396.3 | 398.6 | 401.5 |
| 157.5° | 394.0 | 394.0 | 394.6 | 395.7 | 396.9 | 396.9 | 397.5 | 399.8 | 401.5 | 403.9 | 405.6 |
| 160°   | 399.8 | 399.8 | 400.4 | 401.5 | 401.5 | 402.1 | 402.7 | 404.4 | 405.6 | 408.5 | 410.8 |
| 162.5° | 405.0 | 404.4 | 405.0 | 405.6 | 405.6 | 405.6 | 406.2 | 407.3 | 409.1 | 411.4 | 413.7 |
| 165°   | 409.1 | 409.1 | 409.1 | 409.7 | 409.7 | 409.1 | 409.1 | 410.2 | 411.4 | 413.1 | 414.9 |
| 167.5° | 412.6 | 412.6 | 412.0 | 412.6 | 412.0 | 412.0 | 411.4 | 412.0 | 412.6 | 414.3 | 415.5 |
| 170°   | 415.5 | 414.9 | 414.9 | 414.9 | 414.3 | 413.7 | 413.7 | 413.7 | 413.7 | 414.9 | 416.1 |
| 172.5° | 417.8 | 417.2 | 416.6 | 416.6 | 415.5 | 414.9 | 414.9 | 414.3 | 414.3 | 414.9 | 415.5 |
| 175°   | 418.4 | 417.8 | 417.2 | 417.2 | 416.1 | 415.5 | 414.9 | 414.9 | 414.3 | 414.9 | 415.5 |
| 177.5° | 419.5 | 419.0 | 417.8 | 417.8 | 416.6 | 415.5 | 415.5 | 414.9 | 414.3 | 414.9 | 414.9 |
| 180°   | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 |



TEST NUMBER: P395537

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 |
| 2.5°   | 233.0 | 233.0 | 232.4 | 231.9 | 231.9 | 231.3 | 230.7 | 230.1 | 229.5 | 228.9 |
| 5°     | 233.0 | 232.4 | 231.9 | 231.9 | 231.3 | 231.3 | 231.3 | 230.7 | 230.1 | 230.1 |
| 7.5°   | 233.0 | 233.0 | 232.4 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.3 | 231.3 |
| 10°    | 233.0 | 232.4 | 232.4 | 232.4 | 231.9 | 232.4 | 232.4 | 231.9 | 231.9 | 231.3 |
| 12.5°  | 232.4 | 232.4 | 232.4 | 232.4 | 232.4 | 232.4 | 232.4 | 232.4 | 232.4 | 231.9 |
| 15°    | 231.3 | 231.9 | 231.9 | 232.4 | 232.4 | 232.4 | 233.0 | 233.0 | 232.4 | 232.4 |
| 17.5°  | 230.7 | 231.3 | 231.9 | 232.4 | 232.4 | 232.4 | 233.0 | 233.0 | 233.0 | 233.0 |
| 20°    | 229.5 | 230.1 | 230.7 | 231.3 | 231.3 | 231.9 | 231.9 | 232.4 | 232.4 | 232.4 |
| 22.5°  | 227.2 | 227.8 | 228.9 | 229.5 | 230.1 | 230.7 | 231.3 | 231.3 | 231.3 | 231.3 |
| 25°    | 224.9 | 226.0 | 226.6 | 227.8 | 228.4 | 228.9 | 229.5 | 229.5 | 229.5 | 230.1 |
| 27.5°  | 222.0 | 223.1 | 224.9 | 225.5 | 226.0 | 226.6 | 227.2 | 227.8 | 227.8 | 227.8 |
| 30°    | 218.5 | 220.2 | 221.4 | 222.6 | 223.1 | 223.7 | 224.3 | 224.3 | 224.9 | 224.9 |
| 32.5°  | 214.4 | 216.2 | 217.3 | 218.5 | 219.1 | 219.6 | 220.8 | 220.8 | 221.4 | 221.4 |
| 35°    | 209.2 | 210.9 | 212.7 | 213.8 | 214.4 | 215.0 | 216.2 | 216.7 | 216.7 | 216.7 |
| 37.5°  | 204.0 | 205.7 | 207.4 | 209.2 | 209.8 | 210.4 | 211.5 | 211.5 | 212.1 | 212.1 |
| 40°    | 197.6 | 199.3 | 201.1 | 202.8 | 202.8 | 204.0 | 204.5 | 205.1 | 205.7 | 205.7 |
| 42.5°  | 191.2 | 192.9 | 194.1 | 195.8 | 196.4 | 197.0 | 197.6 | 198.7 | 198.7 | 199.3 |
| 45°    | 183.6 | 185.4 | 186.5 | 188.3 | 188.9 | 189.4 | 190.6 | 191.2 | 191.8 | 191.8 |
| 47.5°  | 175.5 | 176.6 | 177.8 | 179.6 | 180.7 | 181.3 | 181.9 | 182.5 | 183.0 | 182.5 |
| 50°    | 166.2 | 167.4 | 169.1 | 170.8 | 171.4 | 172.0 | 173.2 | 173.2 | 173.7 | 173.7 |
| 52.5°  | 156.3 | 158.1 | 159.2 | 161.0 | 161.5 | 162.1 | 163.3 | 163.3 | 163.9 | 163.9 |
| 55°    | 145.3 | 146.4 | 147.6 | 150.5 | 151.1 | 151.7 | 152.8 | 152.8 | 153.4 | 154.0 |
| 57.5°  | 134.8 | 135.4 | 137.1 | 138.3 | 139.5 | 139.5 | 140.0 | 140.6 | 141.2 | 141.2 |
| 60°    | 123.8 | 124.4 | 125.5 | 127.3 | 127.3 | 127.8 | 129.0 | 129.0 | 129.6 | 129.6 |
| 62.5°  | 112.1 | 113.3 | 114.5 | 116.2 | 115.6 | 116.2 | 117.4 | 117.4 | 118.0 | 118.0 |
| 65°    | 100.5 | 101.1 | 102.3 | 103.4 | 104.0 | 104.0 | 104.6 | 105.2 | 105.8 | 105.8 |
| 67.5°  | 88.3  | 89.5  | 90.1  | 91.8  | 91.2  | 91.8  | 92.4  | 92.4  | 93.0  | 93.0  |
| 70°    | 76.7  | 77.3  | 78.4  | 79.0  | 79.0  | 79.6  | 80.2  | 80.2  | 80.2  | 80.8  |
| 72.5°  | 65.1  | 65.7  | 66.2  | 66.8  | 66.8  | 67.4  | 68.0  | 68.0  | 68.6  | 68.6  |
| 75°    | 52.9  | 54.0  | 54.6  | 55.8  | 55.2  | 55.8  | 56.9  | 56.9  | 56.9  | 56.9  |
| 77.5°  | 42.4  | 43.0  | 44.2  | 44.7  | 44.7  | 44.7  | 45.9  | 45.3  | 45.9  | 45.9  |
| 80°    | 32.0  | 32.5  | 33.7  | 34.3  | 34.3  | 34.9  | 35.4  | 35.4  | 35.4  | 36.0  |
| 82.5°  | 22.7  | 23.8  | 25.0  | 25.6  | 25.6  | 26.1  | 26.7  | 26.7  | 27.3  | 27.3  |
| 85°    | 15.7  | 16.9  | 18.0  | 18.0  | 18.6  | 19.2  | 19.8  | 19.8  | 19.8  | 19.8  |
| 87.5°  | 10.5  | 11.0  | 11.6  | 12.2  | 12.8  | 12.8  | 13.4  | 13.4  | 13.9  | 13.9  |
| 90°    | 5.8   | 6.4   | 7.0   | 7.6   | 7.6   | 8.1   | 8.1   | 8.7   | 8.7   | 8.7   |
| 92.5°  | 8.1   | 8.1   | 8.7   | 9.3   | 9.3   | 9.3   | 9.3   | 9.9   | 9.9   | 9.9   |
| 95°    | 17.4  | 18.0  | 18.0  | 19.2  | 19.2  | 19.2  | 19.8  | 19.8  | 19.8  | 19.8  |
| 97.5°  | 33.7  | 33.7  | 33.7  | 34.9  | 34.9  | 34.9  | 35.4  | 35.4  | 35.4  | 36.0  |
| 100°   | 52.9  | 53.5  | 53.5  | 55.2  | 54.6  | 55.8  | 55.8  | 55.8  | 55.8  | 56.4  |
| 102.5° | 74.4  | 75.5  | 76.1  | 77.9  | 77.9  | 77.9  | 79.0  | 78.4  | 79.0  | 79.0  |
| 105°   | 97.6  | 98.8  | 99.4  | 101.1 | 102.3 | 102.3 | 103.4 | 102.9 | 103.4 | 104.0 |
| 107.5° | 120.9 | 122.6 | 123.8 | 125.5 | 126.7 | 127.3 | 127.3 | 127.8 | 128.4 | 129.0 |
| 110°   | 144.7 | 146.4 | 149.3 | 151.1 | 151.7 | 152.8 | 153.4 | 154.0 | 154.6 | 155.7 |





TEST NUMBER: P395537

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 169.7 | 171.4 | 173.7 | 176.1 | 175.5 | 177.2 | 178.4 | 179.0 | 179.6 | 179.0 |
| 115°   | 192.3 | 194.7 | 197.0 | 199.3 | 199.3 | 200.5 | 202.8 | 203.4 | 203.4 | 204.5 |
| 117.5° | 213.8 | 216.7 | 219.1 | 221.4 | 222.0 | 223.1 | 224.9 | 226.6 | 226.6 | 227.8 |
| 120°   | 234.8 | 238.2 | 240.6 | 242.9 | 244.1 | 244.6 | 246.4 | 248.7 | 248.7 | 248.7 |
| 122.5° | 254.5 | 257.4 | 260.3 | 262.6 | 263.8 | 265.0 | 266.1 | 269.0 | 269.0 | 270.2 |
| 125°   | 273.1 | 276.6 | 279.5 | 281.8 | 283.0 | 284.1 | 286.5 | 288.2 | 288.8 | 288.8 |
| 127.5° | 290.5 | 294.0 | 296.9 | 299.8 | 300.4 | 301.6 | 303.9 | 306.2 | 306.8 | 307.4 |
| 130°   | 306.8 | 310.3 | 313.2 | 316.1 | 317.3 | 317.9 | 320.8 | 322.5 | 323.7 | 324.2 |
| 132.5° | 321.3 | 324.8 | 327.7 | 330.6 | 331.8 | 333.0 | 334.7 | 337.6 | 338.2 | 338.2 |
| 135°   | 334.7 | 338.2 | 341.1 | 344.6 | 345.2 | 346.3 | 348.6 | 350.4 | 351.6 | 352.1 |
| 137.5° | 346.9 | 350.4 | 353.9 | 356.8 | 357.9 | 358.5 | 360.9 | 363.2 | 364.3 | 364.9 |
| 140°   | 357.9 | 361.4 | 364.9 | 367.2 | 367.8 | 369.6 | 371.3 | 373.6 | 374.8 | 375.4 |
| 142.5° | 368.4 | 371.3 | 374.2 | 377.1 | 377.7 | 378.9 | 380.6 | 382.9 | 384.1 | 384.7 |
| 145°   | 377.7 | 380.6 | 382.9 | 385.3 | 385.8 | 387.0 | 388.7 | 390.5 | 391.6 | 392.2 |
| 147.5° | 386.4 | 388.7 | 391.1 | 392.8 | 393.4 | 394.6 | 395.7 | 396.9 | 398.0 | 398.6 |
| 150°   | 394.0 | 395.1 | 397.5 | 398.6 | 399.2 | 400.4 | 401.5 | 402.7 | 403.9 | 404.4 |
| 152.5° | 399.8 | 401.5 | 402.7 | 404.4 | 405.0 | 405.6 | 406.8 | 407.9 | 409.1 | 409.1 |
| 155°   | 404.4 | 406.2 | 407.3 | 409.1 | 409.7 | 410.2 | 411.4 | 412.0 | 413.1 | 413.1 |
| 157.5° | 407.9 | 409.7 | 410.8 | 412.0 | 412.6 | 413.1 | 413.7 | 414.9 | 416.1 | 416.1 |
| 160°   | 412.0 | 412.6 | 413.1 | 414.3 | 414.3 | 414.9 | 415.5 | 416.1 | 417.2 | 417.2 |
| 162.5° | 415.5 | 416.1 | 414.9 | 415.5 | 414.9 | 415.5 | 416.1 | 416.6 | 417.2 | 417.2 |
| 165°   | 416.6 | 417.8 | 417.2 | 417.8 | 417.8 | 417.8 | 417.8 | 418.4 | 418.4 | 418.4 |
| 167.5° | 416.6 | 417.8 | 417.2 | 417.2 | 417.8 | 417.8 | 418.4 | 419.0 | 419.0 | 419.0 |
| 170°   | 416.6 | 417.2 | 416.6 | 416.1 | 416.6 | 416.6 | 416.6 | 417.2 | 417.2 | 417.2 |
| 172.5° | 416.1 | 416.6 | 415.5 | 414.9 | 414.9 | 414.9 | 414.3 | 414.3 | 413.7 | 413.7 |
| 175°   | 415.5 | 415.5 | 414.3 | 413.7 | 413.7 | 413.7 | 412.6 | 412.0 | 411.4 | 410.8 |
| 177.5° | 414.9 | 414.9 | 413.1 | 412.6 | 412.6 | 412.0 | 412.0 | 410.8 | 410.8 | 410.2 |
| 180°   | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 | 413.7 |

(END OF REPORT)