

Scaled data based on original data using  
LM-66-11 Electrical and Photometric Measurements of Single-Ended Compact  
Fluorescent Lamps

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: SHAPER

Report Number: 253P254

Luminaire Tested: **1250-XX-44-CFL/4/39-T5C/1/40**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-66-11  
Report Number: 253P254  
Test Lab: METALUX LABORATORIES  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 1250-XX-44-CFL/4/39-T5C/1/40  
Description: SHAPER 44 INCH 1250 SERIES DIRECT/INDIRECT INDOOR PENDANT FIXTURE  
WITH SHALLOW BOWL  
Light Source: FOUR 39 WATT BIAX COMPACT FLUORESCENT LAMPS AND ONE 40 WATT T5 CIRCLINE  
(4)F39BX - 2850 LUMENS AND (1)TL5C40W/830 - 3300 LUMENS  
Ballast/Driver: -

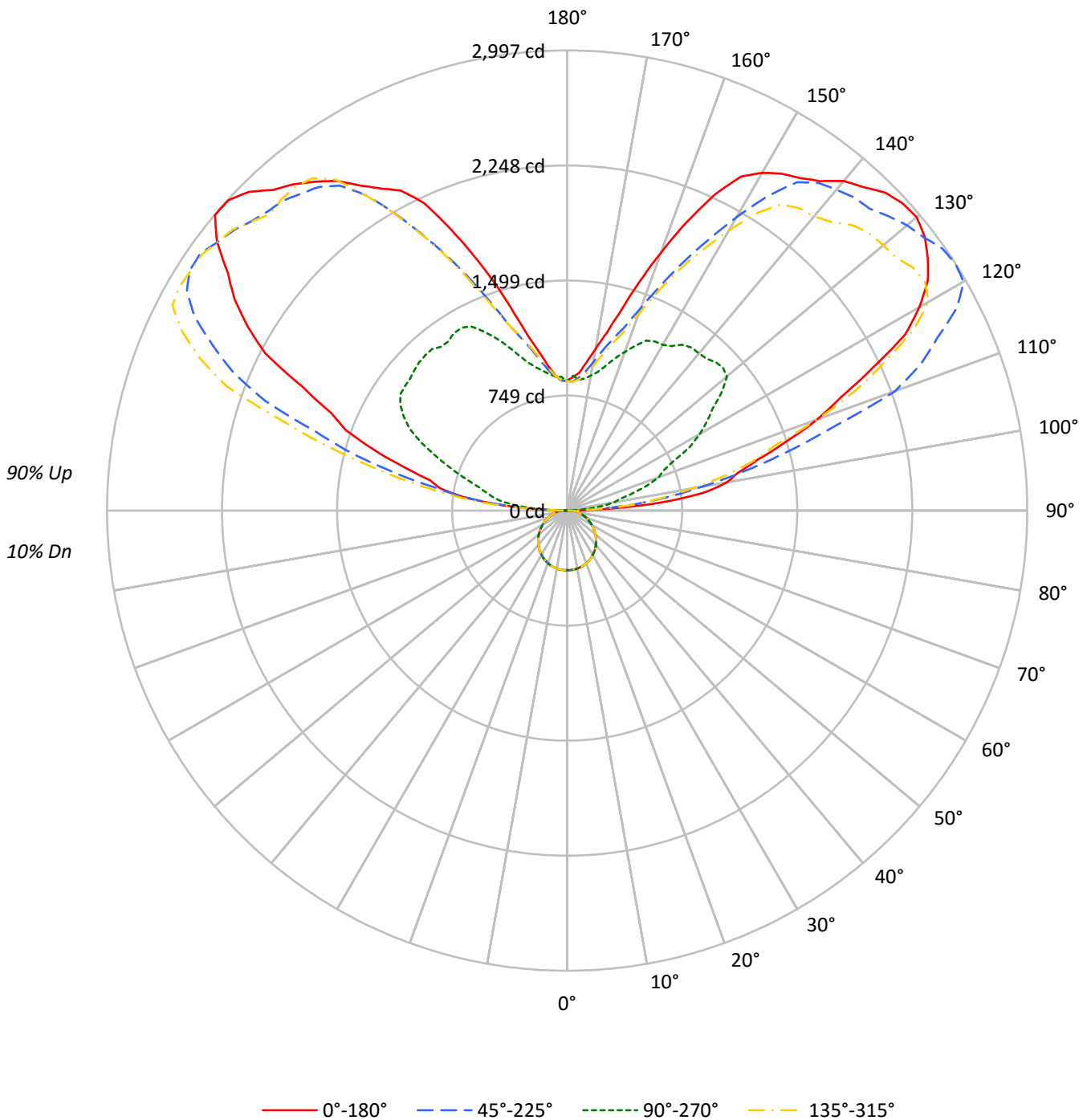
**Summary**

Lumens per Lamp: 14700 (1 lamp)  
Luminaire Lumens: 11846.5 lumens  
Efficiency: 80.6%  
Efficacy: 60.4 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.4  
Luminous Opening: Vertical Cylinder (Dia: 3.67' x H: 0.69')  
CIE Type: Semi-Indirect

Input Watts (W): 196  
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: 253P254  
CATALOG NUMBER: 1250-XX-44-CFL/4/39-T5C/1/40

### Luminous Intensity Polar Plot





TEST NUMBER: 253P254

CATALOG NUMBER: 1250-XX-44-CFL/4/39-T5C/1/40

**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   | 79 | 79 | 79 | 79 | 68 | 68 | 68 | 68 | 49 | 49 | 49 | 32 | 32 | 32 | 16 | 16 | 16 | 8 |
| 1   | 71 | 68 | 65 | 62 | 62 | 59 | 57 | 55 | 43 | 41 | 40 | 28 | 27 | 26 | 14 | 13 | 13 | 7 |
| 2   | 65 | 59 | 55 | 51 | 56 | 52 | 48 | 45 | 37 | 35 | 33 | 24 | 23 | 22 | 12 | 11 | 11 | 5 |
| 3   | 59 | 52 | 46 | 42 | 51 | 45 | 41 | 37 | 33 | 30 | 27 | 21 | 20 | 18 | 11 | 10 | 9  | 5 |
| 4   | 54 | 46 | 40 | 35 | 47 | 40 | 35 | 31 | 29 | 26 | 23 | 19 | 17 | 15 | 9  | 8  | 8  | 4 |
| 5   | 49 | 41 | 34 | 30 | 43 | 35 | 30 | 26 | 26 | 22 | 20 | 17 | 15 | 13 | 8  | 7  | 7  | 3 |
| 6   | 45 | 36 | 30 | 26 | 39 | 32 | 26 | 23 | 23 | 20 | 17 | 15 | 13 | 11 | 8  | 7  | 6  | 3 |
| 7   | 42 | 32 | 26 | 22 | 36 | 28 | 23 | 20 | 21 | 17 | 15 | 14 | 11 | 10 | 7  | 6  | 5  | 3 |
| 8   | 39 | 29 | 23 | 19 | 33 | 26 | 21 | 17 | 19 | 15 | 13 | 12 | 10 | 9  | 6  | 5  | 4  | 2 |
| 9   | 36 | 26 | 21 | 17 | 31 | 23 | 18 | 15 | 17 | 14 | 11 | 11 | 9  | 8  | 6  | 5  | 4  | 2 |
| 10  | 33 | 24 | 19 | 15 | 29 | 21 | 16 | 13 | 16 | 12 | 10 | 10 | 8  | 7  | 5  | 4  | 4  | 2 |

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

|     | 0°  | 90° | 180° | 270° |
|-----|-----|-----|------|------|
| 0°  | 396 | 396 | 396  | 396  |
| 5°  | 389 | 389 | 389  | 389  |
| 10° | 380 | 380 | 380  | 380  |
| 15° | 373 | 373 | 373  | 373  |
| 20° | 364 | 364 | 364  | 364  |
| 25° | 355 | 355 | 355  | 355  |
| 30° | 344 | 344 | 344  | 344  |
| 35° | 335 | 335 | 335  | 335  |
| 40° | 323 | 323 | 323  | 323  |
| 45° | 311 | 311 | 311  | 311  |
| 50° | 298 | 298 | 298  | 298  |
| 55° | 282 | 282 | 282  | 282  |
| 60° | 265 | 265 | 265  | 265  |
| 65° | 249 | 249 | 249  | 249  |
| 70° | 232 | 232 | 232  | 232  |
| 75° | 215 | 215 | 215  | 215  |
| 80° | 200 | 200 | 200  | 200  |
| 85° | 185 | 185 | 185  | 185  |



TEST NUMBER: 253P254

CATALOG NUMBER: 1250-XX-44-CFL/4/39-T5C/1/40

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture | % Lamp |
|-----------|---------|-----------|--------|
| 0°-10°    | 36.9    | 0.3       | 0.3    |
| 10°-20°   | 106.1   | 0.9       | 0.7    |
| 20°-30°   | 161.6   | 1.4       | 1.1    |
| 30°-40°   | 196.3   | 1.7       | 1.3    |
| 40°-50°   | 205.9   | 1.7       | 1.4    |
| 50°-60°   | 190.3   | 1.6       | 1.3    |
| 60°-70°   | 154.6   | 1.3       | 1.1    |
| 70°-80°   | 109.4   | 0.9       | 0.7    |
| 80°-90°   | 60.0    | 0.5       | 0.4    |
| 90°-100°  | 446.5   | 3.8       | 3.0    |
| 100°-110° | 1342.2  | 11.3      | 9.1    |
| 110°-120° | 2034.9  | 17.2      | 13.8   |
| 120°-130° | 2251.9  | 19.0      | 15.3   |
| 130°-140° | 1914.8  | 16.2      | 13.0   |
| 140°-150° | 1390.0  | 11.7      | 9.5    |
| 150°-160° | 818.8   | 6.9       | 5.6    |
| 160°-170° | 339.5   | 2.9       | 2.3    |
| 170°-180° | 86.9    | 0.7       | 0.6    |
| 0°-30°    | 304.5   | 2.6       | 2.1    |
| 0°-40°    | 500.8   | 4.2       | 3.4    |
| 0°-60°    | 896.9   | 7.6       | 6.1    |
| 0°-90°    | 1221.0  | 10.3      | 8.3    |
| 90°-120°  | 3823.6  | 32.3      | 26.0   |
| 90°-150°  | 9380.3  | 79.2      | 63.8   |
| 90°-180°  | 10625.0 | 89.7      | 72.3   |
| 0°-180°   | 11846.5 | 100.0     | 80.6   |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 388  | 388  | 388  | 388  | 388  |      |
| 5°   | 388  | 388  | 388  | 388  | 388  | 37   |
| 15°  | 376  | 376  | 376  | 376  | 376  | 106  |
| 25°  | 351  | 351  | 351  | 351  | 351  | 162  |
| 35°  | 314  | 314  | 314  | 314  | 314  | 196  |
| 45°  | 267  | 267  | 267  | 267  | 267  | 206  |
| 55°  | 213  | 213  | 213  | 213  | 213  | 190  |
| 65°  | 156  | 156  | 156  | 156  | 156  | 155  |
| 75°  | 103  | 103  | 103  | 103  | 103  | 109  |
| 85°  | 59   | 59   | 59   | 59   | 59   | 53   |
| 90°  | 3    | 2    | 1    | 2    | 3    | 44   |
| 95°  | 628  | 138  | 449  | 290  | 628  | 597  |
| 105° | 1287 | 450  | 1102 | 600  | 1287 | 1404 |
| 115° | 2192 | 764  | 1896 | 1047 | 2192 | 2176 |
| 125° | 2868 | 1155 | 2697 | 1325 | 2868 | 2554 |
| 135° | 2929 | 1367 | 2935 | 1364 | 2929 | 2255 |
| 145° | 2644 | 1318 | 2621 | 1346 | 2644 | 1671 |
| 155° | 2267 | 1222 | 2212 | 1287 | 2267 | 1042 |
| 165° | 1343 | 976  | 1326 | 1002 | 1343 | 401  |
| 175° | 900  | 857  | 881  | 876  | 900  | 92   |
| 180° | 843  | 843  | 843  | 843  | 843  |      |



TEST NUMBER: 253P254

CATALOG NUMBER: 1250-XX-44-CFL/4/39-T5C/1/40

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°   | 112.5° | 135°   | 157.5° | 180°   | 202.5° | 225°   |
|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| 0°     | 388.0  | 388.0  | 388.0  | 388.0  | 388.0 | 388.0  | 388.0  | 388.0  | 388.0  | 388.0  | 388.0  |
| 2.5°   | 388.0  | 388.0  | 388.0  | 388.0  | 388.0 | 388.0  | 388.0  | 388.0  | 388.0  | 388.0  | 388.0  |
| 5°     | 388.0  | 388.0  | 388.0  | 388.0  | 388.0 | 388.0  | 388.0  | 388.0  | 388.0  | 388.0  | 388.0  |
| 7.5°   | 386.0  | 386.0  | 386.0  | 386.0  | 386.0 | 386.0  | 386.0  | 386.0  | 386.0  | 386.0  | 386.0  |
| 10°    | 383.0  | 383.0  | 383.0  | 383.0  | 383.0 | 383.0  | 383.0  | 383.0  | 383.0  | 383.0  | 383.0  |
| 12.5°  | 380.0  | 380.0  | 380.0  | 380.0  | 380.0 | 380.0  | 380.0  | 380.0  | 380.0  | 380.0  | 380.0  |
| 15°    | 376.0  | 376.0  | 376.0  | 376.0  | 376.0 | 376.0  | 376.0  | 376.0  | 376.0  | 376.0  | 376.0  |
| 17.5°  | 371.0  | 371.0  | 371.0  | 371.0  | 371.0 | 371.0  | 371.0  | 371.0  | 371.0  | 371.0  | 371.0  |
| 20°    | 365.0  | 365.0  | 365.0  | 365.0  | 365.0 | 365.0  | 365.0  | 365.0  | 365.0  | 365.0  | 365.0  |
| 22.5°  | 358.0  | 358.0  | 358.0  | 358.0  | 358.0 | 358.0  | 358.0  | 358.0  | 358.0  | 358.0  | 358.0  |
| 25°    | 351.0  | 351.0  | 351.0  | 351.0  | 351.0 | 351.0  | 351.0  | 351.0  | 351.0  | 351.0  | 351.0  |
| 27.5°  | 342.0  | 342.0  | 342.0  | 342.0  | 342.0 | 342.0  | 342.0  | 342.0  | 342.0  | 342.0  | 342.0  |
| 30°    | 333.0  | 333.0  | 333.0  | 333.0  | 333.0 | 333.0  | 333.0  | 333.0  | 333.0  | 333.0  | 333.0  |
| 32.5°  | 324.0  | 324.0  | 324.0  | 324.0  | 324.0 | 324.0  | 324.0  | 324.0  | 324.0  | 324.0  | 324.0  |
| 35°    | 314.0  | 314.0  | 314.0  | 314.0  | 314.0 | 314.0  | 314.0  | 314.0  | 314.0  | 314.0  | 314.0  |
| 37.5°  | 303.0  | 303.0  | 303.0  | 303.0  | 303.0 | 303.0  | 303.0  | 303.0  | 303.0  | 303.0  | 303.0  |
| 40°    | 291.0  | 291.0  | 291.0  | 291.0  | 291.0 | 291.0  | 291.0  | 291.0  | 291.0  | 291.0  | 291.0  |
| 42.5°  | 279.0  | 279.0  | 279.0  | 279.0  | 279.0 | 279.0  | 279.0  | 279.0  | 279.0  | 279.0  | 279.0  |
| 45°    | 267.0  | 267.0  | 267.0  | 267.0  | 267.0 | 267.0  | 267.0  | 267.0  | 267.0  | 267.0  | 267.0  |
| 47.5°  | 254.0  | 254.0  | 254.0  | 254.0  | 254.0 | 254.0  | 254.0  | 254.0  | 254.0  | 254.0  | 254.0  |
| 50°    | 241.0  | 241.0  | 241.0  | 241.0  | 241.0 | 241.0  | 241.0  | 241.0  | 241.0  | 241.0  | 241.0  |
| 52.5°  | 227.0  | 227.0  | 227.0  | 227.0  | 227.0 | 227.0  | 227.0  | 227.0  | 227.0  | 227.0  | 227.0  |
| 55°    | 213.0  | 213.0  | 213.0  | 213.0  | 213.0 | 213.0  | 213.0  | 213.0  | 213.0  | 213.0  | 213.0  |
| 57.5°  | 198.0  | 198.0  | 198.0  | 198.0  | 198.0 | 198.0  | 198.0  | 198.0  | 198.0  | 198.0  | 198.0  |
| 60°    | 184.0  | 184.0  | 184.0  | 184.0  | 184.0 | 184.0  | 184.0  | 184.0  | 184.0  | 184.0  | 184.0  |
| 62.5°  | 170.0  | 170.0  | 170.0  | 170.0  | 170.0 | 170.0  | 170.0  | 170.0  | 170.0  | 170.0  | 170.0  |
| 65°    | 156.0  | 156.0  | 156.0  | 156.0  | 156.0 | 156.0  | 156.0  | 156.0  | 156.0  | 156.0  | 156.0  |
| 67.5°  | 142.0  | 142.0  | 142.0  | 142.0  | 142.0 | 142.0  | 142.0  | 142.0  | 142.0  | 142.0  | 142.0  |
| 70°    | 129.0  | 129.0  | 129.0  | 129.0  | 129.0 | 129.0  | 129.0  | 129.0  | 129.0  | 129.0  | 129.0  |
| 72.5°  | 116.0  | 116.0  | 116.0  | 116.0  | 116.0 | 116.0  | 116.0  | 116.0  | 116.0  | 116.0  | 116.0  |
| 75°    | 103.0  | 103.0  | 103.0  | 103.0  | 103.0 | 103.0  | 103.0  | 103.0  | 103.0  | 103.0  | 103.0  |
| 77.5°  | 91.0   | 91.0   | 91.0   | 91.0   | 91.0  | 91.0   | 91.0   | 91.0   | 91.0   | 91.0   | 91.0   |
| 80°    | 80.0   | 80.0   | 80.0   | 80.0   | 80.0  | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   | 80.0   |
| 82.5°  | 69.0   | 69.0   | 69.0   | 69.0   | 69.0  | 69.0   | 69.0   | 69.0   | 69.0   | 69.0   | 69.0   |
| 85°    | 59.0   | 59.0   | 59.0   | 59.0   | 59.0  | 59.0   | 59.0   | 59.0   | 59.0   | 59.0   | 59.0   |
| 87.5°  | 50.0   | 50.0   | 50.0   | 50.0   | 50.0  | 50.0   | 50.0   | 50.0   | 50.0   | 50.0   | 50.0   |
| 90°    | 3.0    | 6.0    | 4.0    | 2.0    | 2.0   | 11.0   | 7.0    | 7.0    | 1.0    | 2.0    | 2.0    |
| 92.5°  | 266.9  | 140.2  | 113.1  | 134.8  | 40.7  | 124.0  | 161.0  | 143.0  | 162.0  | 125.8  | 145.7  |
| 95°    | 627.9  | 459.6  | 411.7  | 365.5  | 138.4 | 319.4  | 429.8  | 423.4  | 448.8  | 422.5  | 439.7  |
| 97.5°  | 903.9  | 773.6  | 643.3  | 589.0  | 231.6 | 498.5  | 608.0  | 689.4  | 684.9  | 702.1  | 667.7  |
| 100°   | 1056.8 | 1067.6 | 886.7  | 824.2  | 310.3 | 685.8  | 814.3  | 853.2  | 844.1  | 960.0  | 891.2  |
| 102.5° | 1138.2 | 1316.4 | 1180.7 | 1087.5 | 352.0 | 894.8  | 1054.0 | 1052.2 | 914.7  | 1178.0 | 1165.3 |
| 105°   | 1286.6 | 1565.2 | 1488.3 | 1292.0 | 449.7 | 1128.2 | 1260.3 | 1288.4 | 1102.0 | 1418.7 | 1457.6 |
| 107.5° | 1500.1 | 1878.3 | 1822.2 | 1444.0 | 547.4 | 1292.9 | 1423.2 | 1555.3 | 1321.9 | 1672.0 | 1724.5 |
| 110°   | 1732.6 | 2101.8 | 2271.0 | 1552.6 | 633.3 | 1381.6 | 1728.1 | 1720.9 | 1533.6 | 1844.8 | 2095.4 |



TEST NUMBER: 253P254

CATALOG NUMBER: 1250-XX-44-CFL/4/39-T5C/1/40

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    | 112.5° | 135°   | 157.5° | 180°   | 202.5° | 225°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1929.0 | 2290.0 | 2492.6 | 1652.1 | 675.0  | 1465.7 | 2023.0 | 1871.0 | 1663.0 | 1987.8 | 2354.2 |
| 115°   | 2192.2 | 2527.9 | 2660.0 | 1832.1 | 764.5  | 1580.6 | 2275.5 | 2116.2 | 1895.5 | 2215.8 | 2546.0 |
| 117.5° | 2481.8 | 2717.0 | 2862.7 | 1997.7 | 903.0  | 1700.0 | 2538.8 | 2369.6 | 2214.9 | 2459.1 | 2735.1 |
| 120°   | 2649.1 | 2841.0 | 2981.2 | 2064.7 | 995.2  | 1785.1 | 2716.1 | 2552.3 | 2404.0 | 2652.8 | 2860.0 |
| 122.5° | 2784.9 | 2952.2 | 2996.6 | 2210.3 | 1080.3 | 1905.4 | 2765.0 | 2732.4 | 2569.5 | 2831.0 | 2913.3 |
| 125°   | 2868.1 | 3039.1 | 2979.4 | 2324.3 | 1155.4 | 2038.4 | 2754.1 | 2916.0 | 2697.1 | 3022.8 | 2917.0 |
| 127.5° | 2934.1 | 3087.0 | 2925.1 | 2376.8 | 1271.2 | 2119.0 | 2704.3 | 3044.5 | 2874.4 | 3163.0 | 2870.8 |
| 130°   | 2972.1 | 3082.5 | 2890.7 | 2328.9 | 1358.0 | 2093.6 | 2688.0 | 3054.5 | 2994.8 | 3169.4 | 2838.2 |
| 132.5° | 2962.2 | 3040.9 | 2837.3 | 2218.5 | 1377.0 | 2025.8 | 2670.9 | 3001.1 | 2992.0 | 3110.6 | 2788.5 |
| 135°   | 2928.7 | 2963.1 | 2783.0 | 2095.4 | 1367.1 | 1938.0 | 2628.3 | 2899.8 | 2935.0 | 3001.1 | 2755.9 |
| 137.5° | 2856.3 | 2899.8 | 2765.9 | 1995.0 | 1341.8 | 1862.0 | 2549.6 | 2839.1 | 2831.9 | 2923.3 | 2738.7 |
| 140°   | 2802.0 | 2793.0 | 2728.8 | 1903.6 | 1336.3 | 1786.0 | 2500.8 | 2763.1 | 2774.0 | 2830.1 | 2694.4 |
| 142.5° | 2704.3 | 2707.0 | 2689.9 | 1807.7 | 1335.4 | 1705.5 | 2482.7 | 2675.4 | 2698.9 | 2738.7 | 2656.4 |
| 145°   | 2643.7 | 2669.0 | 2610.2 | 1691.0 | 1318.2 | 1599.6 | 2434.7 | 2559.6 | 2621.1 | 2629.2 | 2584.0 |
| 147.5° | 2601.2 | 2600.3 | 2425.7 | 1603.2 | 1270.3 | 1516.4 | 2294.5 | 2465.5 | 2508.9 | 2517.0 | 2432.9 |
| 150°   | 2539.7 | 2523.4 | 2204.0 | 1544.4 | 1246.8 | 1468.4 | 2104.5 | 2394.9 | 2421.1 | 2439.2 | 2226.6 |
| 152.5° | 2451.9 | 2371.4 | 1984.1 | 1487.4 | 1240.4 | 1422.3 | 1914.5 | 2280.0 | 2349.7 | 2325.2 | 2013.1 |
| 155°   | 2267.3 | 2142.5 | 1780.6 | 1396.0 | 1222.3 | 1342.7 | 1732.6 | 2068.3 | 2212.1 | 2124.4 | 1811.3 |
| 157.5° | 2031.2 | 1900.9 | 1580.6 | 1299.2 | 1161.7 | 1251.3 | 1540.8 | 1847.5 | 1985.0 | 1895.5 | 1615.0 |
| 160°   | 1787.8 | 1672.0 | 1403.3 | 1211.5 | 1099.3 | 1167.1 | 1361.7 | 1647.6 | 1755.2 | 1681.0 | 1429.5 |
| 162.5° | 1557.1 | 1454.0 | 1257.6 | 1118.3 | 1040.5 | 1083.9 | 1216.0 | 1431.3 | 1540.8 | 1470.2 | 1270.3 |
| 165°   | 1342.7 | 1272.1 | 1156.3 | 1031.4 | 976.2  | 1003.4 | 1118.3 | 1240.4 | 1326.4 | 1278.4 | 1165.3 |
| 167.5° | 1181.6 | 1140.0 | 1066.7 | 969.9  | 925.6  | 945.5  | 1029.6 | 1111.0 | 1159.0 | 1138.2 | 1074.0 |
| 170°   | 1069.4 | 1040.5 | 980.8  | 920.1  | 893.0  | 903.9  | 949.1  | 1013.3 | 1046.8 | 1032.3 | 987.1  |
| 172.5° | 973.5  | 955.4  | 913.8  | 880.3  | 865.9  | 869.5  | 891.2  | 935.5  | 950.9  | 943.7  | 920.1  |
| 175°   | 900.2  | 886.7  | 867.7  | 855.9  | 856.8  | 848.7  | 855.9  | 882.1  | 881.2  | 879.4  | 874.0  |
| 177.5° | 871.3  | 845.0  | 841.4  | 846.9  | 878.5  | 842.3  | 838.7  | 858.6  | 848.7  | 846.9  | 848.7  |
| 180°   | 843.2  | 843.2  | 843.2  | 843.2  | 843.2  | 843.2  | 843.2  | 843.2  | 843.2  | 843.2  | 843.2  |



TEST NUMBER: 253P254

CATALOG NUMBER: 1250-XX-44-CFL/4/39-T5C/1/40

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°  | 292.5° | 315°   | 337.5° | 360°   |
|--------|--------|-------|--------|--------|--------|--------|
| 0°     | 388.0  | 388.0 | 388.0  | 388.0  | 388.0  | 388.0  |
| 2.5°   | 388.0  | 388.0 | 388.0  | 388.0  | 388.0  | 388.0  |
| 5°     | 388.0  | 388.0 | 388.0  | 388.0  | 388.0  | 388.0  |
| 7.5°   | 386.0  | 386.0 | 386.0  | 386.0  | 386.0  | 386.0  |
| 10°    | 383.0  | 383.0 | 383.0  | 383.0  | 383.0  | 383.0  |
| 12.5°  | 380.0  | 380.0 | 380.0  | 380.0  | 380.0  | 380.0  |
| 15°    | 376.0  | 376.0 | 376.0  | 376.0  | 376.0  | 376.0  |
| 17.5°  | 371.0  | 371.0 | 371.0  | 371.0  | 371.0  | 371.0  |
| 20°    | 365.0  | 365.0 | 365.0  | 365.0  | 365.0  | 365.0  |
| 22.5°  | 358.0  | 358.0 | 358.0  | 358.0  | 358.0  | 358.0  |
| 25°    | 351.0  | 351.0 | 351.0  | 351.0  | 351.0  | 351.0  |
| 27.5°  | 342.0  | 342.0 | 342.0  | 342.0  | 342.0  | 342.0  |
| 30°    | 333.0  | 333.0 | 333.0  | 333.0  | 333.0  | 333.0  |
| 32.5°  | 324.0  | 324.0 | 324.0  | 324.0  | 324.0  | 324.0  |
| 35°    | 314.0  | 314.0 | 314.0  | 314.0  | 314.0  | 314.0  |
| 37.5°  | 303.0  | 303.0 | 303.0  | 303.0  | 303.0  | 303.0  |
| 40°    | 291.0  | 291.0 | 291.0  | 291.0  | 291.0  | 291.0  |
| 42.5°  | 279.0  | 279.0 | 279.0  | 279.0  | 279.0  | 279.0  |
| 45°    | 267.0  | 267.0 | 267.0  | 267.0  | 267.0  | 267.0  |
| 47.5°  | 254.0  | 254.0 | 254.0  | 254.0  | 254.0  | 254.0  |
| 50°    | 241.0  | 241.0 | 241.0  | 241.0  | 241.0  | 241.0  |
| 52.5°  | 227.0  | 227.0 | 227.0  | 227.0  | 227.0  | 227.0  |
| 55°    | 213.0  | 213.0 | 213.0  | 213.0  | 213.0  | 213.0  |
| 57.5°  | 198.0  | 198.0 | 198.0  | 198.0  | 198.0  | 198.0  |
| 60°    | 184.0  | 184.0 | 184.0  | 184.0  | 184.0  | 184.0  |
| 62.5°  | 170.0  | 170.0 | 170.0  | 170.0  | 170.0  | 170.0  |
| 65°    | 156.0  | 156.0 | 156.0  | 156.0  | 156.0  | 156.0  |
| 67.5°  | 142.0  | 142.0 | 142.0  | 142.0  | 142.0  | 142.0  |
| 70°    | 129.0  | 129.0 | 129.0  | 129.0  | 129.0  | 129.0  |
| 72.5°  | 116.0  | 116.0 | 116.0  | 116.0  | 116.0  | 116.0  |
| 75°    | 103.0  | 103.0 | 103.0  | 103.0  | 103.0  | 103.0  |
| 77.5°  | 91.0   | 91.0  | 91.0   | 91.0   | 91.0   | 91.0   |
| 80°    | 80.0   | 80.0  | 80.0   | 80.0   | 80.0   | 80.0   |
| 82.5°  | 69.0   | 69.0  | 69.0   | 69.0   | 69.0   | 69.0   |
| 85°    | 59.0   | 59.0  | 59.0   | 59.0   | 59.0   | 59.0   |
| 87.5°  | 50.0   | 50.0  | 50.0   | 50.0   | 50.0   | 50.0   |
| 90°    | 6.0    | 2.0   | 5.0    | 3.0    | 9.0    | 3.0    |
| 92.5°  | 167.4  | 131.2 | 138.4  | 173.7  | 206.3  | 266.9  |
| 95°    | 404.4  | 290.4 | 401.7  | 510.3  | 561.9  | 627.9  |
| 97.5°  | 657.8  | 416.2 | 649.6  | 748.2  | 901.1  | 903.9  |
| 100°   | 866.8  | 485.0 | 931.0  | 1008.8 | 1172.6 | 1056.8 |
| 102.5° | 1112.0 | 537.4 | 1181.6 | 1286.6 | 1420.5 | 1138.2 |
| 105°   | 1306.5 | 599.9 | 1388.8 | 1613.2 | 1628.6 | 1286.6 |
| 107.5° | 1521.8 | 694.9 | 1577.0 | 1942.5 | 1877.4 | 1500.1 |
| 110°   | 1691.9 | 805.2 | 1714.5 | 2352.4 | 2091.8 | 1732.6 |





TEST NUMBER: 253P254

CATALOG NUMBER: 1250-XX-44-CFL/4/39-T5C/1/40

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°   | 292.5° | 315°   | 337.5° | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1833.0 | 922.9  | 1849.3 | 2586.7 | 2301.7 | 1929.0 |
| 115°   | 1995.0 | 1046.8 | 1981.4 | 2767.7 | 2590.3 | 2192.2 |
| 117.5° | 2110.8 | 1157.2 | 2066.5 | 2898.0 | 2819.2 | 2481.8 |
| 120°   | 2163.3 | 1229.6 | 2138.0 | 2915.1 | 2951.3 | 2649.1 |
| 122.5° | 2219.4 | 1288.4 | 2205.8 | 2906.1 | 3094.3 | 2784.9 |
| 125°   | 2226.6 | 1324.6 | 2235.7 | 2905.2 | 3165.8 | 2868.1 |
| 127.5° | 2220.3 | 1330.9 | 2227.5 | 2870.8 | 3183.0 | 2934.1 |
| 130°   | 2206.7 | 1335.4 | 2178.7 | 2845.5 | 3147.7 | 2972.1 |
| 132.5° | 2151.5 | 1350.8 | 2119.0 | 2784.9 | 3080.7 | 2962.2 |
| 135°   | 2079.1 | 1364.4 | 2050.2 | 2733.3 | 2986.6 | 2928.7 |
| 137.5° | 2001.3 | 1369.8 | 1977.8 | 2752.3 | 2910.6 | 2856.3 |
| 140°   | 1905.4 | 1371.6 | 1881.0 | 2752.3 | 2801.1 | 2802.0 |
| 142.5° | 1827.6 | 1346.3 | 1791.4 | 2727.9 | 2708.0 | 2704.3 |
| 145°   | 1774.2 | 1346.3 | 1744.4 | 2631.0 | 2653.7 | 2643.7 |
| 147.5° | 1714.5 | 1371.6 | 1690.1 | 2430.2 | 2594.9 | 2601.2 |
| 150°   | 1641.2 | 1374.3 | 1628.6 | 2219.4 | 2522.5 | 2539.7 |
| 152.5° | 1545.3 | 1351.7 | 1535.4 | 2006.8 | 2374.1 | 2451.9 |
| 155°   | 1438.6 | 1286.6 | 1425.9 | 1797.8 | 2150.6 | 2267.3 |
| 157.5° | 1334.5 | 1216.9 | 1321.9 | 1589.7 | 1920.8 | 2031.2 |
| 160°   | 1230.5 | 1140.9 | 1219.6 | 1411.4 | 1704.6 | 1787.8 |
| 162.5° | 1128.2 | 1065.8 | 1123.7 | 1272.1 | 1479.3 | 1557.1 |
| 165°   | 1044.1 | 1001.6 | 1045.9 | 1170.8 | 1287.5 | 1342.7 |
| 167.5° | 983.5  | 957.2  | 988.9  | 1085.7 | 1151.8 | 1181.6 |
| 170°   | 938.2  | 924.7  | 942.8  | 1002.5 | 1051.3 | 1069.4 |
| 172.5° | 898.4  | 897.5  | 904.8  | 933.7  | 962.7  | 973.5  |
| 175°   | 868.6  | 875.8  | 874.0  | 880.3  | 896.6  | 900.2  |
| 177.5° | 852.3  | 872.2  | 853.2  | 851.4  | 858.6  | 871.3  |
| 180°   | 843.2  | 843.2  | 843.2  | 843.2  | 843.2  | 843.2  |

(END OF REPORT)