

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: NEO-RAY

Report Number: P333026-940

Luminaire Tested: **S124RDIW-S350D1050U940-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333026-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124RDIW-S350D1050U940-4F0-1E-UDD-F1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 350 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED  
HOUSING  
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4517.6 lumens  
Efficiency: N/A  
Efficacy: 118.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

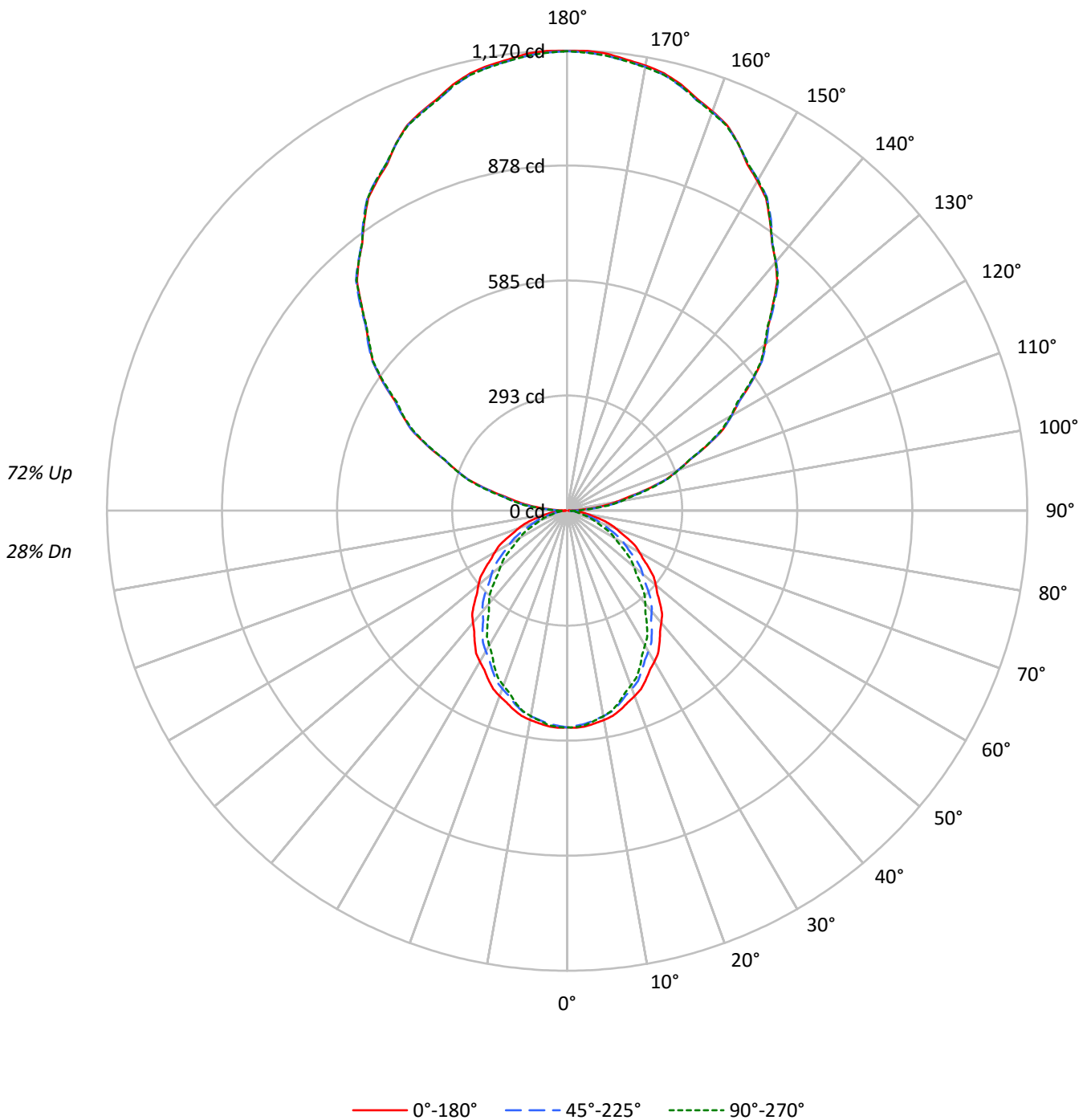
Input Watts (W): 38  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333026-940

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### Luminous Intensity Polar Plot





TEST NUMBER: P333026-940

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**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   | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 53 | 53 | 53 | 36 | 36 | 36 | 28 |
| 1   | 93  | 89  | 85  | 82  | 83 | 80 | 77 | 74 | 63 | 60 | 59 | 47 | 45 | 44 | 32 | 31 | 31 | 24 |
| 2   | 85  | 78  | 72  | 67  | 76 | 70 | 65 | 61 | 55 | 52 | 49 | 41 | 39 | 37 | 28 | 27 | 26 | 20 |
| 3   | 77  | 68  | 61  | 56  | 69 | 62 | 56 | 51 | 49 | 44 | 41 | 36 | 34 | 32 | 25 | 24 | 22 | 17 |
| 4   | 71  | 61  | 53  | 47  | 63 | 54 | 48 | 43 | 43 | 39 | 35 | 33 | 29 | 27 | 23 | 21 | 19 | 15 |
| 5   | 65  | 54  | 46  | 40  | 58 | 49 | 42 | 37 | 39 | 34 | 30 | 29 | 26 | 23 | 20 | 18 | 17 | 13 |
| 6   | 60  | 48  | 40  | 35  | 53 | 44 | 37 | 32 | 35 | 30 | 26 | 26 | 23 | 20 | 19 | 17 | 15 | 12 |
| 7   | 55  | 43  | 36  | 30  | 49 | 39 | 33 | 28 | 31 | 26 | 23 | 24 | 21 | 18 | 17 | 15 | 13 | 10 |
| 8   | 51  | 39  | 32  | 27  | 46 | 36 | 29 | 25 | 28 | 24 | 20 | 22 | 18 | 16 | 16 | 13 | 12 | 9  |
| 9   | 47  | 36  | 29  | 24  | 42 | 32 | 26 | 22 | 26 | 21 | 18 | 20 | 17 | 14 | 14 | 12 | 11 | 8  |
| 10  | 44  | 33  | 26  | 21  | 40 | 30 | 24 | 20 | 24 | 19 | 16 | 18 | 15 | 13 | 13 | 11 | 10 | 8  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 4451 | 4451 | 4451 |
| 5°  | 4460 | 4406 | 4433 |
| 10° | 4432 | 4353 | 4353 |
| 15° | 4381 | 4262 | 4229 |
| 20° | 4312 | 4141 | 4064 |
| 25° | 4222 | 4000 | 3899 |
| 30° | 4135 | 3852 | 3691 |
| 35° | 4039 | 3698 | 3482 |
| 40° | 3923 | 3523 | 3256 |
| 45° | 3817 | 3350 | 3027 |
| 50° | 3695 | 3149 | 2783 |
| 55° | 3564 | 2940 | 2519 |
| 60° | 3421 | 2713 | 2249 |
| 65° | 3289 | 2428 | 1983 |
| 70° | 3099 | 2110 | 1683 |
| 75° | 2857 | 1753 | 1369 |
| 80° | 2492 | 1334 | 1255 |
| 85° | 2112 | 1213 | 1130 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 51.8   | 1.1       |
| 10°-20°   | 144.4  | 3.2       |
| 20°-30°   | 208.5  | 4.6       |
| 30°-40°   | 236.4  | 5.2       |
| 40°-50°   | 228.2  | 5.1       |
| 50°-60°   | 189.8  | 4.2       |
| 60°-70°   | 131.1  | 2.9       |
| 70°-80°   | 66.4   | 1.5       |
| 80°-90°   | 20.5   | 0.5       |
| 90°-100°  | 77.0   | 1.7       |
| 100°-110° | 228.2  | 5.1       |
| 110°-120° | 387.4  | 8.6       |
| 120°-130° | 510.8  | 11.3      |
| 130°-140° | 573.6  | 12.7      |
| 140°-150° | 563.7  | 12.5      |
| 150°-160° | 474.1  | 10.5      |
| 160°-170° | 315.4  | 7.0       |
| 170°-180° | 110.5  | 2.4       |
| 0°-30°    | 404.7  | 9.0       |
| 0°-40°    | 641.0  | 14.2      |
| 0°-60°    | 1059.1 | 23.4      |
| 0°-90°    | 1277.1 | 28.3      |
| 90°-120°  | 692.6  | 15.3      |
| 90°-150°  | 2340.6 | 51.8      |
| 90°-180°  | 3241.0 | 71.7      |
| 0°-180°   | 4517.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 551  | 551   | 551  | 551   | 551  |      |
| 5°   | 550  | 548   | 544  | 548   | 547  | 52   |
| 15°  | 524  | 520   | 510  | 509   | 506  | 148  |
| 25°  | 474  | 466   | 449  | 442   | 438  | 218  |
| 35°  | 410  | 396   | 375  | 361   | 353  | 256  |
| 45°  | 334  | 318   | 293  | 273   | 265  | 258  |
| 55°  | 253  | 236   | 209  | 188   | 179  | 226  |
| 65°  | 172  | 154   | 127  | 110   | 104  | 170  |
| 75°  | 92   | 76    | 56   | 47    | 44   | 97   |
| 85°  | 23   | 15    | 13   | 12    | 12   | 26   |
| 90°  | 3    | 12    | 20   | 25    | 27   | 5    |
| 95°  | 54   | 62    | 69   | 71    | 71   | 60   |
| 105° | 210  | 212   | 215  | 218   | 220  | 223  |
| 115° | 394  | 394   | 392  | 391   | 390  | 388  |
| 125° | 574  | 574   | 573  | 571   | 569  | 511  |
| 135° | 740  | 745   | 745  | 743   | 741  | 572  |
| 145° | 899  | 902   | 903  | 902   | 900  | 562  |
| 155° | 1030 | 1030  | 1029 | 1032  | 1029 | 474  |
| 165° | 1121 | 1118  | 1116 | 1121  | 1118 | 316  |
| 175° | 1166 | 1162  | 1161 | 1166  | 1161 | 111  |
| 180° | 1168 | 1168  | 1168 | 1168  | 1168 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 551.3 | 551.3 | 551.3 | 551.3 | 551.3 | 551.3 | 551.3 | 551.3 | 551.3 | 551.3 | 551.3 |
| 2.5°   | 552.6 | 552.2 | 552.0 | 551.7 | 551.3 | 550.8 | 550.0 | 549.2 | 548.3 | 547.5 | 548.3 |
| 5°     | 550.4 | 550.0 | 549.7 | 549.3 | 548.8 | 548.1 | 547.0 | 545.9 | 544.7 | 543.7 | 544.6 |
| 7.5°   | 545.4 | 545.0 | 544.7 | 544.2 | 543.9 | 542.9 | 541.4 | 539.9 | 538.5 | 537.1 | 537.6 |
| 10°    | 540.6 | 540.2 | 539.8 | 539.3 | 538.8 | 537.7 | 536.0 | 534.3 | 532.6 | 531.0 | 531.4 |
| 12.5°  | 534.6 | 534.0 | 533.5 | 533.0 | 532.4 | 531.2 | 529.1 | 527.2 | 525.2 | 523.2 | 523.4 |
| 15°    | 524.2 | 523.3 | 522.5 | 521.7 | 520.8 | 519.2 | 516.9 | 514.5 | 512.2 | 509.9 | 509.7 |
| 17.5°  | 511.7 | 510.4 | 509.2 | 508.0 | 506.8 | 504.7 | 501.9 | 499.1 | 496.3 | 493.5 | 492.9 |
| 20°    | 501.9 | 500.6 | 499.4 | 498.2 | 497.0 | 494.8 | 491.6 | 488.4 | 485.2 | 482.0 | 481.3 |
| 22.5°  | 491.1 | 489.6 | 488.3 | 487.0 | 485.5 | 483.1 | 479.7 | 476.4 | 473.0 | 469.5 | 468.4 |
| 25°    | 474.0 | 472.3 | 470.6 | 469.0 | 467.3 | 464.5 | 460.7 | 456.8 | 452.9 | 449.1 | 447.5 |
| 27.5°  | 456.1 | 454.0 | 451.8 | 449.8 | 447.6 | 444.5 | 440.4 | 436.3 | 432.2 | 428.1 | 426.1 |
| 30°    | 443.6 | 441.2 | 438.9 | 436.6 | 434.3 | 430.9 | 426.4 | 422.0 | 417.6 | 413.2 | 410.9 |
| 32.5°  | 430.4 | 427.8 | 425.2 | 422.5 | 419.8 | 416.3 | 411.7 | 407.2 | 402.6 | 398.1 | 395.3 |
| 35°    | 409.8 | 406.8 | 403.9 | 400.8 | 397.8 | 394.0 | 389.3 | 384.6 | 380.0 | 375.2 | 372.0 |
| 37.5°  | 387.8 | 384.7 | 381.7 | 378.5 | 375.4 | 371.3 | 366.0 | 360.9 | 355.7 | 350.5 | 347.0 |
| 40°    | 372.3 | 369.2 | 366.0 | 363.0 | 359.9 | 355.7 | 350.4 | 345.0 | 339.7 | 334.3 | 330.4 |
| 42.5°  | 357.4 | 354.2 | 350.9 | 347.7 | 344.5 | 340.0 | 334.5 | 328.9 | 323.3 | 317.7 | 313.7 |
| 45°    | 334.3 | 330.8 | 327.3 | 323.9 | 320.4 | 315.8 | 310.2 | 304.6 | 299.0 | 293.4 | 288.7 |
| 47.5°  | 310.4 | 306.8 | 303.3 | 299.6 | 296.0 | 291.3 | 285.5 | 279.6 | 273.8 | 268.0 | 263.1 |
| 50°    | 294.2 | 290.5 | 286.9 | 283.2 | 279.6 | 274.7 | 268.8 | 262.7 | 256.7 | 250.7 | 246.0 |
| 52.5°  | 277.7 | 274.0 | 270.5 | 266.9 | 263.3 | 258.4 | 252.3 | 246.1 | 240.0 | 233.8 | 229.1 |
| 55°    | 253.2 | 249.5 | 245.8 | 242.0 | 238.3 | 233.3 | 227.2 | 221.1 | 215.0 | 208.9 | 204.0 |
| 57.5°  | 229.1 | 225.2 | 221.3 | 217.4 | 213.5 | 208.6 | 202.5 | 196.5 | 190.6 | 184.5 | 179.6 |
| 60°    | 211.9 | 208.1 | 204.4 | 200.6 | 196.9 | 192.0 | 186.0 | 179.9 | 174.0 | 168.0 | 163.1 |
| 62.5°  | 196.4 | 192.4 | 188.5 | 184.7 | 180.7 | 175.8 | 169.6 | 163.5 | 157.3 | 151.1 | 146.6 |
| 65°    | 172.2 | 168.2 | 164.2 | 160.2 | 156.0 | 151.1 | 145.1 | 139.0 | 133.0 | 127.1 | 123.1 |
| 67.5°  | 147.1 | 143.3 | 139.4 | 135.5 | 131.7 | 127.0 | 121.4 | 115.8 | 110.2 | 104.7 | 101.2 |
| 70°    | 131.3 | 127.3 | 123.4 | 119.5 | 115.5 | 110.8 | 105.5 | 100.1 | 94.8  | 89.4  | 86.4  |
| 72.5°  | 114.4 | 110.8 | 107.3 | 103.7 | 100.1 | 95.9  | 90.8  | 85.7  | 80.7  | 75.6  | 73.0  |
| 75°    | 91.6  | 88.1  | 84.6  | 81.1  | 77.7  | 73.7  | 69.4  | 64.9  | 60.5  | 56.2  | 53.9  |
| 77.5°  | 68.5  | 65.5  | 62.6  | 59.7  | 56.7  | 53.4  | 49.8  | 46.3  | 42.7  | 39.1  | 37.9  |
| 80°    | 53.6  | 50.9  | 48.2  | 45.5  | 42.7  | 39.9  | 37.2  | 34.3  | 31.5  | 28.7  | 28.4  |
| 82.5°  | 40.8  | 38.3  | 35.8  | 33.3  | 30.8  | 28.7  | 27.1  | 25.5  | 23.9  | 22.3  | 22.1  |
| 85°    | 22.8  | 21.0  | 19.1  | 17.1  | 15.2  | 14.2  | 13.9  | 13.6  | 13.4  | 13.1  | 12.9  |
| 87.5°  | 8.3   | 8.1   | 8.0   | 7.8   | 7.7   | 7.8   | 7.9   | 8.2   | 8.5   | 8.7   | 8.8   |
| 90°    | 2.7   | 4.9   | 7.1   | 9.4   | 11.5  | 13.5  | 15.1  | 16.7  | 18.3  | 19.9  | 21.0  |
| 92.5°  | 19.4  | 21.8  | 24.4  | 26.9  | 29.4  | 31.3  | 32.4  | 33.5  | 34.7  | 35.8  | 36.5  |
| 95°    | 54.2  | 56.0  | 57.8  | 59.7  | 61.4  | 63.0  | 64.5  | 65.8  | 67.2  | 68.7  | 69.3  |
| 97.5°  | 94.7  | 96.1  | 97.6  | 99.0  | 100.5 | 102.0 | 103.6 | 105.3 | 106.9 | 108.6 | 109.3 |
| 100°   | 126.4 | 127.2 | 128.0 | 128.9 | 129.7 | 131.0 | 132.8 | 134.6 | 136.4 | 138.2 | 138.6 |
| 102.5° | 159.7 | 160.1 | 160.3 | 160.7 | 161.0 | 161.9 | 163.6 | 165.2 | 166.9 | 168.5 | 169.2 |
| 105°   | 210.4 | 210.7 | 210.9 | 211.1 | 211.2 | 211.8 | 212.6 | 213.4 | 214.2 | 215.0 | 215.6 |
| 107.5° | 263.8 | 264.0 | 264.2 | 264.5 | 264.7 | 264.9 | 265.0 | 265.2 | 265.3 | 265.4 | 266.0 |
| 110°   | 299.9 | 300.3 | 300.7 | 301.1 | 301.5 | 301.6 | 301.4 | 301.2 | 301.0 | 300.8 | 300.4 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 337.5  | 337.6  | 337.7  | 337.7  | 337.8  | 337.7  | 337.3  | 337.0  | 336.6  | 336.3  | 336.2  |
| 115°   | 393.9  | 393.9  | 393.9  | 393.9  | 393.9  | 393.7  | 393.2  | 392.9  | 392.4  | 392.1  | 391.8  |
| 117.5° | 447.0  | 447.1  | 447.3  | 447.5  | 447.6  | 447.5  | 447.3  | 447.0  | 446.7  | 446.4  | 445.8  |
| 120°   | 482.4  | 483.2  | 484.0  | 484.8  | 485.6  | 485.7  | 485.1  | 484.5  | 483.9  | 483.3  | 482.3  |
| 122.5° | 519.2  | 519.6  | 519.9  | 520.2  | 520.5  | 520.6  | 520.2  | 520.0  | 519.7  | 519.4  | 518.7  |
| 125°   | 573.6  | 573.6  | 573.6  | 573.6  | 573.6  | 573.5  | 573.3  | 573.1  | 572.9  | 572.7  | 572.3  |
| 127.5° | 622.9  | 623.6  | 624.1  | 624.7  | 625.4  | 625.5  | 625.2  | 624.8  | 624.6  | 624.2  | 623.8  |
| 130°   | 657.6  | 658.3  | 658.8  | 659.4  | 660.0  | 660.3  | 660.3  | 660.3  | 660.3  | 660.3  | 660.0  |
| 132.5° | 693.0  | 693.5  | 693.9  | 694.4  | 694.8  | 694.9  | 694.8  | 694.6  | 694.5  | 694.3  | 693.9  |
| 135°   | 739.9  | 741.0  | 742.3  | 743.4  | 744.7  | 745.3  | 745.3  | 745.3  | 745.3  | 745.3  | 744.8  |
| 137.5° | 790.8  | 791.3  | 791.9  | 792.5  | 793.0  | 793.4  | 793.8  | 794.2  | 794.4  | 794.8  | 794.2  |
| 140°   | 824.7  | 825.2  | 825.5  | 826.0  | 826.3  | 826.5  | 826.5  | 826.5  | 826.5  | 826.5  | 826.3  |
| 142.5° | 855.9  | 856.2  | 856.7  | 857.0  | 857.5  | 857.6  | 857.4  | 857.2  | 857.1  | 856.9  | 856.8  |
| 145°   | 898.8  | 899.6  | 900.4  | 901.3  | 902.1  | 902.5  | 902.8  | 902.9  | 903.1  | 903.3  | 903.1  |
| 147.5° | 941.5  | 942.4  | 943.4  | 944.3  | 945.3  | 945.7  | 945.6  | 945.4  | 945.2  | 945.0  | 944.9  |
| 150°   | 967.5  | 968.3  | 969.1  | 969.9  | 970.7  | 971.1  | 971.1  | 971.1  | 971.1  | 971.1  | 971.1  |
| 152.5° | 992.0  | 992.6  | 993.0  | 993.5  | 994.0  | 994.3  | 994.4  | 994.6  | 994.8  | 995.0  | 995.4  |
| 155°   | 1029.8 | 1029.8 | 1029.8 | 1029.8 | 1029.8 | 1029.7 | 1029.5 | 1029.3 | 1029.1 | 1028.9 | 1029.7 |
| 157.5° | 1061.6 | 1061.2 | 1060.9 | 1060.5 | 1060.2 | 1060.0 | 1059.9 | 1059.9 | 1059.8 | 1059.8 | 1060.4 |
| 160°   | 1080.4 | 1080.2 | 1080.0 | 1079.8 | 1079.6 | 1079.4 | 1079.1 | 1079.0 | 1078.8 | 1078.6 | 1079.1 |
| 162.5° | 1097.7 | 1097.3 | 1096.7 | 1096.2 | 1095.6 | 1095.3 | 1095.1 | 1094.9 | 1094.7 | 1094.5 | 1095.6 |
| 165°   | 1121.1 | 1120.4 | 1119.8 | 1119.3 | 1118.7 | 1118.1 | 1117.8 | 1117.3 | 1117.0 | 1116.5 | 1117.8 |
| 167.5° | 1138.9 | 1138.1 | 1137.3 | 1136.4 | 1135.6 | 1135.1 | 1135.2 | 1135.2 | 1135.2 | 1135.3 | 1136.5 |
| 170°   | 1149.1 | 1148.1 | 1147.0 | 1146.0 | 1145.0 | 1144.6 | 1144.9 | 1145.0 | 1145.2 | 1145.4 | 1146.7 |
| 172.5° | 1156.3 | 1155.4 | 1154.6 | 1153.8 | 1152.9 | 1152.5 | 1152.5 | 1152.6 | 1152.6 | 1152.6 | 1154.1 |
| 175°   | 1166.2 | 1165.2 | 1164.2 | 1163.2 | 1162.2 | 1161.6 | 1161.4 | 1161.2 | 1161.0 | 1160.8 | 1162.2 |
| 177.5° | 1169.5 | 1168.7 | 1167.9 | 1167.1 | 1166.3 | 1165.8 | 1165.8 | 1165.8 | 1165.8 | 1165.8 | 1167.0 |
| 180°   | 1168.1 | 1168.1 | 1168.1 | 1168.1 | 1168.1 | 1168.1 | 1168.1 | 1168.1 | 1168.1 | 1168.1 | 1168.1 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 551.3 | 551.3 | 551.3 | 551.3 | 551.3 | 551.3 | 551.3 | 551.3 |
| 2.5°   | 549.2 | 550.0 | 550.8 | 551.2 | 551.1 | 551.1 | 551.0 | 550.9 |
| 5°     | 545.5 | 546.4 | 547.4 | 547.8 | 547.6 | 547.4 | 547.2 | 547.0 |
| 7.5°   | 538.2 | 538.9 | 539.5 | 539.6 | 539.3 | 539.0 | 538.7 | 538.4 |
| 10°    | 531.7 | 532.1 | 532.4 | 532.4 | 532.1 | 531.7 | 531.4 | 531.0 |
| 12.5°  | 523.6 | 523.9 | 524.1 | 524.0 | 523.4 | 522.9 | 522.4 | 521.8 |
| 15°    | 509.5 | 509.3 | 509.1 | 508.7 | 508.0 | 507.4 | 506.8 | 506.0 |
| 17.5°  | 492.4 | 492.0 | 491.4 | 490.6 | 489.6 | 488.7 | 487.7 | 486.7 |
| 20°    | 480.5 | 479.7 | 479.0 | 478.0 | 476.8 | 475.5 | 474.4 | 473.1 |
| 22.5°  | 467.3 | 466.1 | 465.0 | 464.0 | 463.0 | 462.0 | 461.0 | 459.9 |
| 25°    | 445.9 | 444.3 | 442.7 | 441.5 | 440.5 | 439.5 | 438.6 | 437.7 |
| 27.5°  | 424.1 | 422.1 | 420.2 | 418.6 | 417.1 | 415.8 | 414.5 | 413.1 |
| 30°    | 408.5 | 406.2 | 403.9 | 401.9 | 400.4 | 399.0 | 397.4 | 395.9 |
| 32.5°  | 392.6 | 389.9 | 387.2 | 385.0 | 383.6 | 382.2 | 380.8 | 379.3 |
| 35°    | 368.8 | 365.7 | 362.5 | 360.1 | 358.4 | 356.7 | 355.0 | 353.3 |
| 37.5°  | 343.4 | 339.8 | 336.3 | 333.6 | 331.9 | 330.2 | 328.5 | 326.8 |
| 40°    | 326.4 | 322.4 | 318.5 | 315.8 | 314.1 | 312.4 | 310.7 | 309.0 |
| 42.5°  | 309.7 | 305.7 | 301.7 | 298.8 | 297.0 | 295.2 | 293.5 | 291.8 |
| 45°    | 284.2 | 279.6 | 274.9 | 271.8 | 270.1 | 268.4 | 266.7 | 265.1 |
| 47.5°  | 258.4 | 253.6 | 248.9 | 245.6 | 243.7 | 241.8 | 240.0 | 238.2 |
| 50°    | 241.3 | 236.7 | 231.9 | 228.7 | 226.9 | 225.2 | 223.4 | 221.6 |
| 52.5°  | 224.3 | 219.5 | 214.8 | 211.4 | 209.6 | 207.8 | 205.9 | 204.0 |
| 55°    | 199.2 | 194.3 | 189.4 | 186.1 | 184.3 | 182.5 | 180.7 | 179.0 |
| 57.5°  | 174.6 | 169.7 | 164.7 | 161.6 | 160.2 | 158.9 | 157.5 | 156.1 |
| 60°    | 158.2 | 153.4 | 148.5 | 145.3 | 143.7 | 142.3 | 140.8 | 139.3 |
| 62.5°  | 142.1 | 137.6 | 133.1 | 130.3 | 129.0 | 127.9 | 126.6 | 125.5 |
| 65°    | 119.0 | 114.9 | 110.9 | 108.3 | 107.2 | 106.1 | 105.0 | 103.8 |
| 67.5°  | 97.7  | 94.3  | 90.8  | 88.5  | 87.2  | 86.0  | 84.7  | 83.5  |
| 70°    | 83.3  | 80.2  | 77.1  | 75.1  | 74.1  | 73.2  | 72.2  | 71.3  |
| 72.5°  | 70.4  | 67.7  | 65.1  | 63.3  | 62.4  | 61.6  | 60.7  | 59.8  |
| 75°    | 51.8  | 49.7  | 47.5  | 46.2  | 45.6  | 45.0  | 44.5  | 43.9  |
| 77.5°  | 36.6  | 35.4  | 34.2  | 33.4  | 33.3  | 33.1  | 32.9  | 32.7  |
| 80°    | 28.2  | 27.8  | 27.6  | 27.4  | 27.3  | 27.2  | 27.1  | 27.0  |
| 82.5°  | 21.8  | 21.7  | 21.5  | 21.3  | 21.2  | 21.1  | 21.0  | 21.0  |
| 85°    | 12.8  | 12.5  | 12.3  | 12.2  | 12.2  | 12.2  | 12.2  | 12.2  |
| 87.5°  | 9.0   | 9.2   | 9.4   | 9.5   | 9.7   | 9.8   | 10.0  | 10.2  |
| 90°    | 22.3  | 23.5  | 24.7  | 25.5  | 25.9  | 26.3  | 26.7  | 27.1  |
| 92.5°  | 37.2  | 37.9  | 38.7  | 39.1  | 39.4  | 39.6  | 39.9  | 40.1  |
| 95°    | 69.8  | 70.4  | 71.1  | 71.3  | 71.3  | 71.3  | 71.3  | 71.3  |
| 97.5°  | 110.0 | 110.8 | 111.5 | 111.8 | 111.8 | 111.8 | 111.8 | 111.8 |
| 100°   | 139.0 | 139.4 | 139.8 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 |
| 102.5° | 169.7 | 170.2 | 170.9 | 171.2 | 171.3 | 171.5 | 171.7 | 171.8 |
| 105°   | 216.2 | 216.8 | 217.4 | 218.0 | 218.6 | 219.2 | 219.8 | 220.4 |
| 107.5° | 266.5 | 267.1 | 267.7 | 267.9 | 267.9 | 267.9 | 267.8 | 267.8 |
| 110°   | 300.0 | 299.6 | 299.2 | 299.3 | 299.9 | 300.5 | 301.1 | 301.8 |





TEST NUMBER: P333026-940

CATALOG NUMBER: S124RDIW-S350D1050U940-4F0-1E-UDD-F1

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 336.1  | 336.0  | 335.9  | 335.9  | 336.1  | 336.2  | 336.3  | 336.4  |
| 115°   | 391.6  | 391.5  | 391.3  | 391.0  | 390.8  | 390.7  | 390.5  | 390.2  |
| 117.5° | 445.1  | 444.3  | 443.7  | 443.2  | 442.7  | 442.4  | 441.9  | 441.6  |
| 120°   | 481.3  | 480.3  | 479.3  | 478.9  | 479.4  | 479.7  | 480.2  | 480.5  |
| 122.5° | 518.1  | 517.4  | 516.7  | 515.9  | 515.2  | 514.5  | 513.8  | 513.1  |
| 125°   | 571.9  | 571.5  | 571.1  | 570.7  | 570.3  | 569.9  | 569.5  | 569.1  |
| 127.5° | 623.4  | 623.0  | 622.6  | 622.2  | 621.9  | 621.6  | 621.3  | 621.0  |
| 130°   | 659.5  | 659.2  | 658.7  | 658.2  | 657.4  | 656.6  | 655.8  | 655.0  |
| 132.5° | 693.5  | 693.1  | 692.7  | 692.3  | 692.1  | 691.7  | 691.3  | 691.1  |
| 135°   | 744.5  | 744.0  | 743.7  | 743.2  | 742.5  | 741.9  | 741.4  | 740.7  |
| 137.5° | 793.7  | 793.2  | 792.6  | 792.5  | 792.6  | 792.7  | 792.8  | 792.9  |
| 140°   | 826.2  | 826.0  | 825.7  | 825.5  | 825.4  | 825.2  | 824.9  | 824.7  |
| 142.5° | 856.8  | 856.8  | 856.8  | 856.7  | 856.7  | 856.7  | 856.6  | 856.6  |
| 145°   | 902.9  | 902.8  | 902.5  | 902.1  | 901.5  | 900.9  | 900.4  | 899.7  |
| 147.5° | 944.8  | 944.6  | 944.4  | 944.2  | 944.1  | 943.9  | 943.6  | 943.4  |
| 150°   | 971.1  | 971.1  | 971.1  | 971.0  | 970.8  | 970.6  | 970.4  | 970.2  |
| 152.5° | 995.9  | 996.4  | 996.8  | 996.8  | 996.3  | 995.8  | 995.2  | 994.8  |
| 155°   | 1030.6 | 1031.4 | 1032.2 | 1032.2 | 1031.4 | 1030.6 | 1029.7 | 1028.9 |
| 157.5° | 1061.0 | 1061.6 | 1062.2 | 1062.2 | 1061.5 | 1060.8 | 1060.2 | 1059.4 |
| 160°   | 1079.8 | 1080.4 | 1081.0 | 1080.8 | 1079.8 | 1078.8 | 1077.8 | 1076.7 |
| 162.5° | 1096.6 | 1097.7 | 1098.9 | 1098.9 | 1097.9 | 1096.9 | 1095.8 | 1094.8 |
| 165°   | 1118.9 | 1120.2 | 1121.3 | 1121.5 | 1120.7 | 1119.9 | 1119.1 | 1118.3 |
| 167.5° | 1137.7 | 1138.9 | 1140.1 | 1140.1 | 1138.9 | 1137.6 | 1136.4 | 1135.1 |
| 170°   | 1147.8 | 1149.1 | 1150.2 | 1150.1 | 1148.8 | 1147.4 | 1145.9 | 1144.5 |
| 172.5° | 1155.4 | 1156.7 | 1158.2 | 1158.1 | 1156.7 | 1155.3 | 1153.9 | 1152.4 |
| 175°   | 1163.6 | 1165.0 | 1166.4 | 1166.4 | 1165.0 | 1163.6 | 1162.2 | 1160.8 |
| 177.5° | 1168.1 | 1169.2 | 1170.4 | 1170.3 | 1168.9 | 1167.7 | 1166.4 | 1165.1 |
| 180°   | 1168.1 | 1168.1 | 1168.1 | 1168.1 | 1168.1 | 1168.1 | 1168.1 | 1168.1 |

(END OF REPORT)