

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: P332130-927

Luminaire Tested: **S123DIW-S560D755U927-4F0-1E-UDD-F**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332130-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123DIW-S560D755U927-4F0-1E-UDD-F  
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
UPLIGHT 755 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4231.4 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: General Diffuse

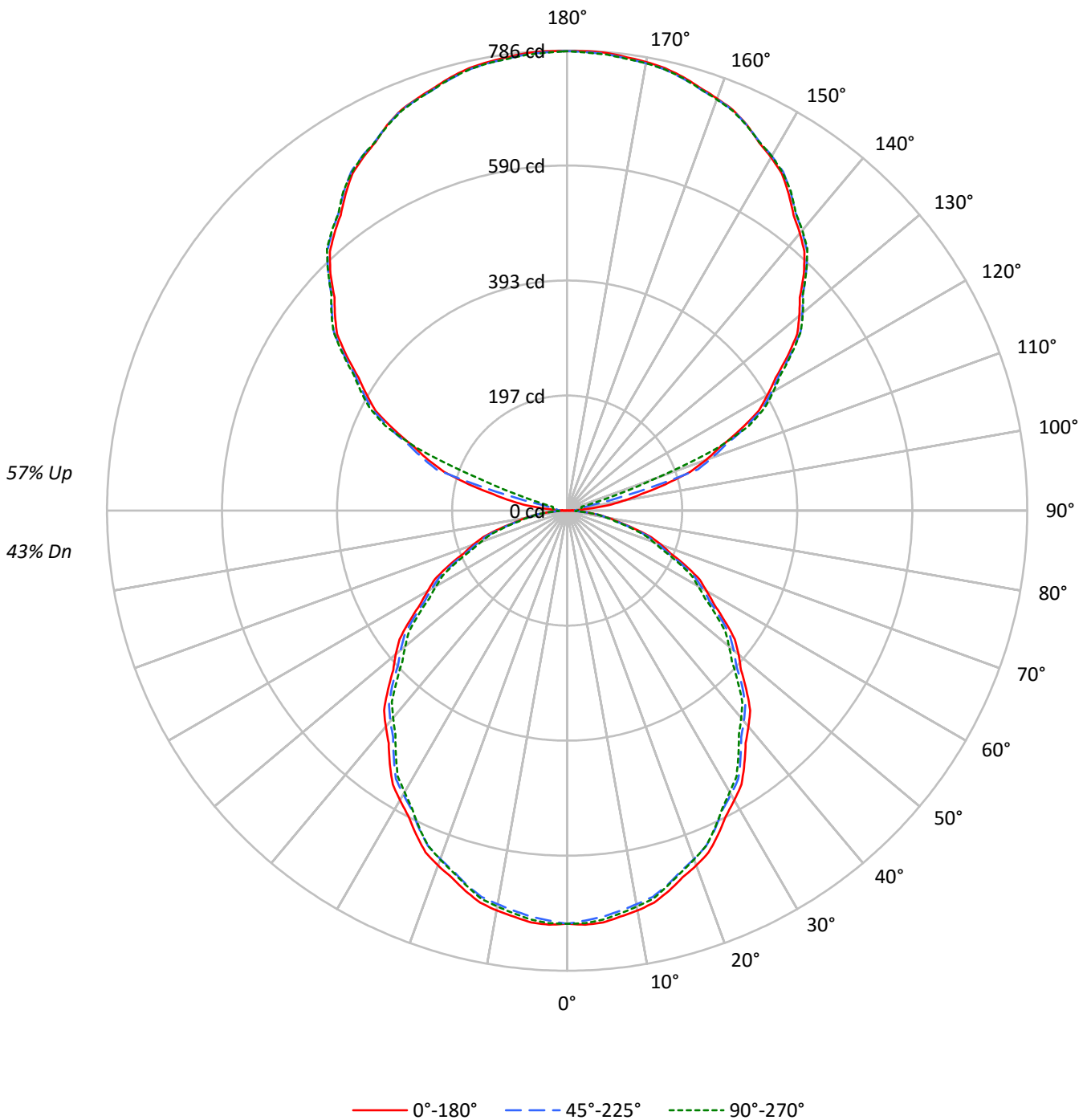
Input Watts (W): 37.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332130-927

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### Luminous Intensity Polar Plot





TEST NUMBER: P332130-927

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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   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 64 | 64 | 64 | 50 | 50 | 50 | 43 |
| 1   | 96  | 92  | 88  | 85  | 88 | 84 | 81 | 78 | 70 | 67 | 65 | 56 | 55 | 53 | 44 | 43 | 42 | 36 |
| 2   | 88  | 80  | 74  | 69  | 80 | 74 | 68 | 64 | 61 | 57 | 54 | 50 | 47 | 44 | 39 | 37 | 35 | 31 |
| 3   | 80  | 70  | 63  | 57  | 73 | 65 | 58 | 53 | 54 | 49 | 45 | 44 | 40 | 38 | 34 | 32 | 30 | 26 |
| 4   | 73  | 62  | 54  | 48  | 66 | 57 | 50 | 45 | 48 | 43 | 39 | 39 | 35 | 32 | 31 | 28 | 26 | 22 |
| 5   | 67  | 55  | 47  | 41  | 61 | 51 | 44 | 39 | 43 | 37 | 33 | 35 | 31 | 28 | 28 | 25 | 23 | 19 |
| 6   | 62  | 50  | 42  | 36  | 56 | 46 | 39 | 34 | 38 | 33 | 29 | 32 | 27 | 24 | 25 | 22 | 20 | 17 |
| 7   | 57  | 45  | 37  | 31  | 52 | 41 | 34 | 29 | 35 | 29 | 25 | 29 | 25 | 21 | 23 | 20 | 18 | 15 |
| 8   | 53  | 41  | 33  | 28  | 48 | 38 | 31 | 26 | 32 | 26 | 23 | 26 | 22 | 19 | 21 | 18 | 16 | 13 |
| 9   | 49  | 37  | 30  | 25  | 45 | 34 | 28 | 23 | 29 | 24 | 20 | 24 | 20 | 17 | 19 | 16 | 14 | 12 |
| 10  | 46  | 34  | 27  | 22  | 42 | 31 | 25 | 21 | 27 | 22 | 18 | 22 | 18 | 15 | 18 | 15 | 13 | 11 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 7597 | 7597 | 7597 |
| 5°  | 7632 | 7527 | 7580 |
| 10° | 7581 | 7462 | 7508 |
| 15° | 7492 | 7377 | 7392 |
| 20° | 7389 | 7257 | 7263 |
| 25° | 7251 | 7114 | 7099 |
| 30° | 7097 | 6954 | 6901 |
| 35° | 6937 | 6786 | 6699 |
| 40° | 6770 | 6600 | 6497 |
| 45° | 6587 | 6428 | 6272 |
| 50° | 6402 | 6219 | 6047 |
| 55° | 6161 | 6001 | 5819 |
| 60° | 5918 | 5748 | 5565 |
| 65° | 5703 | 5471 | 5300 |
| 70° | 5385 | 5155 | 4925 |
| 75° | 4924 | 4745 | 4541 |
| 80° | 4438 | 4252 | 4215 |
| 85° | 3890 | 3742 | 3606 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 66.5   | 1.6       |
| 10°-20°   | 187.7  | 4.4       |
| 20°-30°   | 277.3  | 6.6       |
| 30°-40°   | 323.9  | 7.7       |
| 40°-50°   | 325.6  | 7.7       |
| 50°-60°   | 286.0  | 6.8       |
| 60°-70°   | 213.1  | 5.0       |
| 70°-80°   | 121.4  | 2.9       |
| 80°-90°   | 37.0   | 0.9       |
| 90°-100°  | 28.5   | 0.7       |
| 100°-110° | 136.0  | 3.2       |
| 110°-120° | 326.6  | 7.7       |
| 120°-130° | 415.9  | 9.8       |
| 130°-140° | 444.3  | 10.5      |
| 140°-150° | 415.5  | 9.8       |
| 150°-160° | 335.2  | 7.9       |
| 160°-170° | 216.3  | 5.1       |
| 170°-180° | 74.5   | 1.8       |
| 0°-30°    | 531.5  | 12.6      |
| 0°-40°    | 855.4  | 20.2      |
| 0°-60°    | 1467.0 | 34.7      |
| 0°-90°    | 1838.6 | 43.5      |
| 90°-120°  | 491.1  | 11.6      |
| 90°-150°  | 1766.8 | 41.8      |
| 90°-180°  | 2393.0 | 56.6      |
| 0°-180°   | 4231.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 706 | 706   | 706 | 706   | 706 |      |
| 5°   | 706 | 703   | 697 | 702   | 702 | 67   |
| 15°  | 672 | 670   | 662 | 666   | 663 | 189  |
| 25°  | 610 | 607   | 599 | 599   | 598 | 281  |
| 35°  | 528 | 524   | 516 | 513   | 510 | 330  |
| 45°  | 433 | 430   | 422 | 415   | 412 | 334  |
| 55°  | 328 | 327   | 320 | 313   | 310 | 294  |
| 65°  | 224 | 221   | 215 | 210   | 208 | 221  |
| 75°  | 118 | 116   | 114 | 111   | 109 | 127  |
| 85°  | 32  | 30    | 30  | 29    | 29  | 35   |
| 90°  | 1   | 7     | 14  | 16    | 18  | 3    |
| 95°  | 36  | 13    | 18  | 22    | 22  | 44   |
| 105° | 174 | 177   | 128 | 30    | 26  | 184  |
| 115° | 326 | 329   | 335 | 340   | 343 | 322  |
| 125° | 459 | 464   | 466 | 468   | 469 | 410  |
| 135° | 572 | 575   | 578 | 579   | 578 | 440  |
| 145° | 660 | 664   | 665 | 666   | 666 | 413  |
| 155° | 727 | 726   | 726 | 729   | 726 | 335  |
| 165° | 767 | 765   | 764 | 768   | 765 | 216  |
| 175° | 785 | 782   | 782 | 786   | 782 | 75   |
| 180° | 785 | 785   | 785 | 785   | 785 |      |



TEST NUMBER: P332130-927

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 705.8 | 705.8 | 705.8 | 705.8 | 705.8 | 705.8 | 705.8 | 705.8 | 705.8 | 705.8 | 705.8 |
| 2.5°   | 708.1 | 707.7 | 707.3 | 706.9 | 706.5 | 705.6 | 704.4 | 703.2 | 702.1 | 700.9 | 702.0 |
| 5°     | 706.3 | 705.7 | 705.0 | 704.3 | 703.6 | 702.6 | 701.1 | 699.6 | 698.2 | 696.6 | 698.0 |
| 7.5°   | 699.4 | 698.8 | 698.1 | 697.4 | 696.7 | 695.6 | 694.1 | 692.5 | 691.0 | 689.5 | 690.7 |
| 10°    | 693.6 | 692.9 | 692.3 | 691.6 | 690.9 | 689.7 | 687.9 | 686.2 | 684.4 | 682.7 | 683.9 |
| 12.5°  | 685.9 | 685.2 | 684.7 | 684.1 | 683.6 | 682.5 | 680.8 | 679.1 | 677.6 | 675.9 | 676.8 |
| 15°    | 672.3 | 671.8 | 671.3 | 670.7 | 670.2 | 669.1 | 667.3 | 665.6 | 663.8 | 662.0 | 663.1 |
| 17.5°  | 656.7 | 656.0 | 655.3 | 654.6 | 653.9 | 652.7 | 650.9 | 649.2 | 647.5 | 645.6 | 646.4 |
| 20°    | 645.1 | 644.3 | 643.4 | 642.6 | 641.8 | 640.6 | 638.8 | 637.1 | 635.3 | 633.5 | 634.1 |
| 22.5°  | 631.9 | 631.1 | 630.3 | 629.5 | 628.7 | 627.4 | 625.7 | 623.9 | 622.2 | 620.4 | 620.8 |
| 25°    | 610.5 | 609.7 | 608.9 | 608.1 | 607.2 | 605.9 | 604.2 | 602.5 | 600.7 | 599.0 | 599.0 |
| 27.5°  | 587.6 | 586.8 | 586.0 | 585.2 | 584.4 | 583.0 | 581.1 | 579.3 | 577.4 | 575.5 | 575.6 |
| 30°    | 571.0 | 570.4 | 569.7 | 569.0 | 568.3 | 567.0 | 565.1 | 563.2 | 561.4 | 559.5 | 559.5 |
| 32.5°  | 554.5 | 553.7 | 552.7 | 551.8 | 551.0 | 549.8 | 548.3 | 546.8 | 545.4 | 544.0 | 543.2 |
| 35°    | 527.9 | 527.1 | 526.3 | 525.5 | 524.7 | 523.4 | 521.7 | 519.9 | 518.2 | 516.4 | 515.6 |
| 37.5°  | 500.7 | 499.7 | 498.7 | 497.6 | 496.6 | 495.3 | 493.5 | 491.7 | 489.9 | 488.1 | 487.2 |
| 40°    | 481.8 | 481.0 | 480.2 | 479.4 | 478.6 | 477.2 | 475.3 | 473.5 | 471.6 | 469.7 | 468.6 |
| 42.5°  | 462.9 | 462.0 | 461.1 | 460.1 | 459.2 | 457.8 | 455.9 | 454.1 | 452.2 | 450.3 | 449.2 |
| 45°    | 432.7 | 432.1 | 431.6 | 431.0 | 430.5 | 429.4 | 427.6 | 425.9 | 424.1 | 422.3 | 420.7 |
| 47.5°  | 402.7 | 401.9 | 401.2 | 400.4 | 399.6 | 398.3 | 396.7 | 395.1 | 393.4 | 391.7 | 390.1 |
| 50°    | 382.3 | 381.6 | 381.0 | 380.2 | 379.6 | 378.4 | 376.6 | 374.9 | 373.1 | 371.4 | 369.9 |
| 52.5°  | 360.9 | 360.4 | 360.0 | 359.6 | 359.1 | 357.9 | 356.1 | 354.3 | 352.4 | 350.5 | 349.3 |
| 55°    | 328.3 | 328.1 | 328.0 | 327.9 | 327.7 | 326.8 | 325.0 | 323.3 | 321.5 | 319.8 | 318.3 |
| 57.5°  | 297.2 | 296.8 | 296.3 | 295.9 | 295.4 | 294.5 | 293.0 | 291.7 | 290.3 | 288.8 | 287.6 |
| 60°    | 274.9 | 274.7 | 274.6 | 274.5 | 274.3 | 273.5 | 271.9 | 270.2 | 268.6 | 267.0 | 265.8 |
| 62.5°  | 255.0 | 254.6 | 254.3 | 254.0 | 253.6 | 252.6 | 251.0 | 249.4 | 247.7 | 246.1 | 244.9 |
| 65°    | 223.9 | 223.2 | 222.6 | 221.9 | 221.3 | 220.2 | 218.9 | 217.5 | 216.2 | 214.8 | 213.7 |
| 67.5°  | 191.0 | 190.4 | 189.8 | 189.3 | 188.6 | 187.8 | 186.8 | 185.8 | 184.7 | 183.8 | 182.8 |
| 70°    | 171.1 | 170.3 | 169.5 | 168.7 | 167.9 | 167.1 | 166.3 | 165.5 | 164.6 | 163.8 | 162.9 |
| 72.5°  | 150.3 | 149.6 | 149.1 | 148.5 | 147.9 | 147.1 | 146.2 | 145.3 | 144.3 | 143.5 | 142.6 |
| 75°    | 118.4 | 117.8 | 117.2 | 116.7 | 116.2 | 115.7 | 115.3 | 114.9 | 114.5 | 114.1 | 113.4 |
| 77.5°  | 90.1  | 89.8  | 89.4  | 89.2  | 88.9  | 88.5  | 88.0  | 87.5  | 87.0  | 86.5  | 86.1  |
| 80°    | 71.6  | 71.2  | 70.8  | 70.4  | 69.9  | 69.6  | 69.4  | 69.1  | 68.8  | 68.6  | 68.4  |
| 82.5°  | 53.6  | 53.6  | 53.5  | 53.4  | 53.3  | 53.2  | 53.2  | 53.2  | 53.1  | 53.1  | 52.8  |
| 85°    | 31.5  | 31.3  | 31.1  | 30.7  | 30.5  | 30.3  | 30.3  | 30.3  | 30.3  | 30.3  | 30.1  |
| 87.5°  | 12.8  | 12.7  | 12.6  | 12.5  | 12.5  | 12.6  | 12.8  | 13.0  | 13.2  | 13.5  | 13.5  |
| 90°    | 0.6   | 1.9   | 3.2   | 4.4   | 5.8   | 7.3   | 9.0   | 10.6  | 12.3  | 14.0  | 14.5  |
| 92.5°  | 10.9  | 10.5  | 10.1  | 9.7   | 9.4   | 9.8   | 11.1  | 12.4  | 13.6  | 14.9  | 15.8  |
| 95°    | 35.6  | 30.3  | 25.0  | 19.6  | 14.3  | 12.4  | 13.8  | 15.2  | 16.6  | 18.1  | 19.0  |
| 97.5°  | 71.5  | 69.1  | 66.7  | 64.3  | 61.9  | 56.1  | 46.7  | 37.4  | 28.1  | 18.8  | 19.8  |
| 100°   | 98.5  | 101.1 | 103.7 | 106.3 | 108.8 | 100.1 | 79.9  | 59.7  | 39.5  | 19.3  | 20.3  |
| 102.5° | 129.3 | 131.2 | 133.0 | 134.9 | 136.7 | 126.7 | 104.6 | 82.5  | 60.4  | 38.3  | 35.2  |
| 105°   | 173.7 | 175.2 | 176.6 | 178.0 | 179.4 | 174.3 | 162.6 | 151.0 | 139.3 | 127.7 | 104.7 |
| 107.5° | 220.5 | 221.7 | 222.8 | 224.0 | 225.1 | 226.6 | 228.5 | 230.3 | 232.2 | 234.0 | 217.1 |
| 110°   | 251.8 | 252.9 | 253.9 | 254.9 | 256.0 | 257.2 | 258.6 | 260.1 | 261.5 | 262.9 | 258.6 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 281.7 | 282.6 | 283.5 | 284.5 | 285.4 | 286.6 | 288.0 | 289.5 | 290.9 | 292.3 | 292.4 |
| 115°   | 325.8 | 326.6 | 327.4 | 328.2 | 329.0 | 329.9 | 331.1 | 332.2 | 333.4 | 334.6 | 335.9 |
| 117.5° | 368.7 | 369.6 | 370.6 | 371.5 | 372.5 | 373.3 | 373.8 | 374.5 | 375.0 | 375.7 | 376.7 |
| 120°   | 395.2 | 396.4 | 397.6 | 398.7 | 399.9 | 400.7 | 401.1 | 401.5 | 401.9 | 402.2 | 403.3 |
| 122.5° | 422.3 | 423.3 | 424.2 | 425.2 | 426.1 | 426.8 | 427.3 | 427.9 | 428.3 | 428.8 | 429.5 |
| 125°   | 459.4 | 460.4 | 461.4 | 462.5 | 463.5 | 464.3 | 464.8 | 465.3 | 465.8 | 466.4 | 466.6 |
| 127.5° | 495.3 | 496.3 | 497.3 | 498.4 | 499.4 | 500.3 | 500.9 | 501.5 | 502.1 | 502.7 | 503.1 |
| 130°   | 517.6 | 518.7 | 519.8 | 520.8 | 521.8 | 522.6 | 523.1 | 523.6 | 524.1 | 524.7 | 525.1 |
| 132.5° | 539.1 | 540.1 | 541.1 | 542.2 | 543.3 | 544.0 | 544.4 | 544.8 | 545.2 | 545.7 | 546.1 |
| 135°   | 571.9 | 572.7 | 573.4 | 574.2 | 575.0 | 575.6 | 576.2 | 576.6 | 577.2 | 577.7 | 578.1 |
| 137.5° | 599.8 | 600.8 | 601.8 | 602.8 | 603.8 | 604.4 | 604.7 | 605.0 | 605.3 | 605.5 | 606.2 |
| 140°   | 618.5 | 619.2 | 620.0 | 620.8 | 621.6 | 622.2 | 622.6 | 623.0 | 623.4 | 623.8 | 624.2 |
| 142.5° | 635.7 | 636.5 | 637.3 | 638.1 | 638.9 | 639.4 | 639.8 | 640.2 | 640.6 | 641.0 | 641.4 |
| 145°   | 659.9 | 660.8 | 661.7 | 662.6 | 663.5 | 664.1 | 664.3 | 664.6 | 664.9 | 665.1 | 665.4 |
| 147.5° | 682.6 | 683.2 | 683.8 | 684.4 | 685.0 | 685.4 | 685.7 | 686.0 | 686.2 | 686.4 | 686.7 |
| 150°   | 696.6 | 697.0 | 697.4 | 697.8 | 698.2 | 698.5 | 698.8 | 699.0 | 699.3 | 699.5 | 699.8 |
| 152.5° | 709.2 | 709.4 | 709.6 | 709.7 | 710.0 | 710.1 | 710.3 | 710.4 | 710.6 | 710.7 | 711.1 |
| 155°   | 726.9 | 726.7 | 726.4 | 726.1 | 725.9 | 725.8 | 726.0 | 726.1 | 726.2 | 726.4 | 727.0 |
| 157.5° | 740.7 | 740.7 | 740.6 | 740.6 | 740.6 | 740.5 | 740.4 | 740.2 | 740.1 | 740.0 | 740.8 |
| 160°   | 749.1 | 748.9 | 748.8 | 748.7 | 748.5 | 748.5 | 748.3 | 748.1 | 748.1 | 747.9 | 748.7 |
| 162.5° | 757.0 | 756.7 | 756.3 | 756.0 | 755.7 | 755.4 | 755.3 | 755.2 | 755.0 | 754.9 | 755.8 |
| 165°   | 766.6 | 766.2 | 765.8 | 765.4 | 765.0 | 764.8 | 764.6 | 764.5 | 764.4 | 764.2 | 765.2 |
| 167.5° | 774.0 | 773.5 | 773.0 | 772.5 | 772.0 | 771.7 | 771.7 | 771.7 | 771.7 | 771.7 | 772.7 |
| 170°   | 778.2 | 777.7 | 777.2 | 776.7 | 776.2 | 775.9 | 775.9 | 775.9 | 775.9 | 775.9 | 776.9 |
| 172.5° | 781.0 | 780.4 | 779.7 | 779.2 | 778.6 | 778.2 | 778.4 | 778.5 | 778.6 | 778.7 | 779.7 |
| 175°   | 784.7 | 783.9 | 783.3 | 782.7 | 782.0 | 781.8 | 781.9 | 782.0 | 782.2 | 782.3 | 783.2 |
| 177.5° | 785.5 | 785.1 | 784.5 | 784.0 | 783.5 | 783.3 | 783.4 | 783.5 | 783.6 | 783.7 | 784.5 |
| 180°   | 784.7 | 784.7 | 784.7 | 784.7 | 784.7 | 784.7 | 784.7 | 784.7 | 784.7 | 784.7 | 784.7 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 705.8 | 705.8 | 705.8 | 705.8 | 705.8 | 705.8 | 705.8 | 705.8 |
| 2.5°   | 703.1 | 704.1 | 705.2 | 705.7 | 705.6 | 705.4 | 705.4 | 705.3 |
| 5°     | 699.3 | 700.7 | 702.0 | 702.6 | 702.3 | 702.0 | 701.8 | 701.5 |
| 7.5°   | 691.9 | 693.1 | 694.3 | 694.8 | 694.7 | 694.5 | 694.3 | 694.2 |
| 10°    | 685.1 | 686.3 | 687.5 | 688.0 | 687.8 | 687.5 | 687.2 | 686.9 |
| 12.5°  | 677.6 | 678.6 | 679.5 | 679.8 | 679.6 | 679.5 | 679.3 | 679.1 |
| 15°    | 664.2 | 665.3 | 666.4 | 666.5 | 665.7 | 664.9 | 664.1 | 663.3 |
| 17.5°  | 647.2 | 647.9 | 648.7 | 648.9 | 648.6 | 648.3 | 648.0 | 647.7 |
| 20°    | 634.6 | 635.2 | 635.6 | 635.7 | 635.3 | 634.9 | 634.5 | 634.1 |
| 22.5°  | 621.3 | 621.7 | 622.2 | 622.1 | 621.6 | 621.1 | 620.6 | 620.0 |
| 25°    | 599.2 | 599.4 | 599.4 | 599.4 | 599.0 | 598.6 | 598.1 | 597.7 |
| 27.5°  | 575.8 | 575.8 | 575.9 | 575.8 | 575.2 | 574.7 | 574.2 | 573.7 |
| 30°    | 559.5 | 559.5 | 559.5 | 559.0 | 558.1 | 557.1 | 556.2 | 555.2 |
| 32.5°  | 542.5 | 541.7 | 540.9 | 540.3 | 539.8 | 539.3 | 538.8 | 538.3 |
| 35°    | 514.8 | 514.0 | 513.2 | 512.5 | 511.7 | 511.1 | 510.4 | 509.8 |
| 37.5°  | 486.2 | 485.2 | 484.3 | 483.5 | 483.2 | 482.7 | 482.3 | 481.8 |
| 40°    | 467.5 | 466.4 | 465.4 | 464.5 | 464.0 | 463.5 | 463.0 | 462.4 |
| 42.5°  | 448.1 | 447.0 | 445.9 | 445.1 | 444.6 | 444.1 | 443.5 | 443.0 |
| 45°    | 419.1 | 417.5 | 415.9 | 414.7 | 414.1 | 413.4 | 412.7 | 412.0 |
| 47.5°  | 388.6 | 387.0 | 385.4 | 384.3 | 383.7 | 383.1 | 382.5 | 381.9 |
| 50°    | 368.4 | 366.9 | 365.4 | 364.3 | 363.5 | 362.7 | 361.9 | 361.1 |
| 52.5°  | 348.0 | 346.7 | 345.5 | 344.4 | 343.6 | 342.8 | 342.0 | 341.2 |
| 55°    | 316.8 | 315.4 | 313.9 | 312.8 | 312.1 | 311.4 | 310.8 | 310.1 |
| 57.5°  | 286.2 | 284.9 | 283.6 | 282.5 | 281.7 | 281.0 | 280.2 | 279.4 |
| 60°    | 264.6 | 263.4 | 262.1 | 261.2 | 260.5 | 259.8 | 259.2 | 258.5 |
| 62.5°  | 243.7 | 242.5 | 241.3 | 240.4 | 240.0 | 239.6 | 239.1 | 238.6 |
| 65°    | 212.6 | 211.6 | 210.5 | 209.8 | 209.4 | 209.0 | 208.6 | 208.1 |
| 67.5°  | 181.9 | 180.9 | 180.0 | 179.2 | 178.6 | 178.1 | 177.5 | 177.0 |
| 70°    | 161.9 | 161.1 | 160.1 | 159.2 | 158.6 | 157.9 | 157.2 | 156.5 |
| 72.5°  | 141.8 | 140.9 | 140.1 | 139.5 | 139.2 | 138.8 | 138.5 | 138.1 |
| 75°    | 112.7 | 112.1 | 111.4 | 110.8 | 110.4 | 110.0 | 109.6 | 109.2 |
| 77.5°  | 85.6  | 85.2  | 84.7  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  |
| 80°    | 68.3  | 68.1  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  |
| 82.5°  | 52.5  | 52.3  | 52.0  | 51.9  | 51.8  | 51.7  | 51.6  | 51.5  |
| 85°    | 29.8  | 29.5  | 29.2  | 29.2  | 29.2  | 29.2  | 29.2  | 29.2  |
| 87.5°  | 13.5  | 13.5  | 13.5  | 13.5  | 13.5  | 13.6  | 13.6  | 13.7  |
| 90°    | 15.1  | 15.5  | 16.1  | 16.5  | 16.7  | 17.0  | 17.2  | 17.5  |
| 92.5°  | 16.6  | 17.4  | 18.2  | 18.7  | 18.9  | 19.0  | 19.2  | 19.3  |
| 95°    | 19.9  | 20.8  | 21.7  | 22.2  | 22.2  | 22.2  | 22.2  | 22.2  |
| 97.5°  | 20.8  | 21.9  | 22.9  | 23.5  | 23.6  | 23.8  | 23.9  | 24.0  |
| 100°   | 21.3  | 22.3  | 23.4  | 24.0  | 24.1  | 24.2  | 24.3  | 24.5  |
| 102.5° | 31.9  | 28.8  | 25.5  | 24.0  | 24.2  | 24.5  | 24.7  | 25.0  |
| 105°   | 81.8  | 58.9  | 36.0  | 24.6  | 24.9  | 25.1  | 25.4  | 25.7  |
| 107.5° | 200.3 | 183.5 | 166.8 | 149.7 | 132.4 | 115.1 | 97.8  | 80.6  |
| 110°   | 254.4 | 250.1 | 245.8 | 234.4 | 215.9 | 197.3 | 178.8 | 160.3 |





TEST NUMBER: P332130-927

CATALOG NUMBER: S123DIW-S560D755U927-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 292.5 | 292.6 | 292.6 | 290.7 | 286.8 | 282.9 | 278.9 | 275.0 |
| 115°   | 337.2 | 338.5 | 339.8 | 340.7 | 341.2 | 341.7 | 342.2 | 342.8 |
| 117.5° | 377.7 | 378.7 | 379.8 | 380.3 | 380.5 | 380.6 | 380.6 | 380.8 |
| 120°   | 404.3 | 405.4 | 406.4 | 406.9 | 406.9 | 406.9 | 406.9 | 406.9 |
| 122.5° | 430.2 | 430.9 | 431.7 | 432.1 | 432.2 | 432.3 | 432.5 | 432.5 |
| 125°   | 466.8 | 467.1 | 467.4 | 467.6 | 467.9 | 468.2 | 468.4 | 468.7 |
| 127.5° | 503.6 | 504.0 | 504.4 | 504.5 | 504.2 | 503.9 | 503.7 | 503.4 |
| 130°   | 525.7 | 526.2 | 526.7 | 526.9 | 526.6 | 526.3 | 526.1 | 525.8 |
| 132.5° | 546.7 | 547.2 | 547.7 | 547.8 | 547.4 | 547.1 | 546.7 | 546.3 |
| 135°   | 578.5 | 578.8 | 579.2 | 579.2 | 578.8 | 578.5 | 578.1 | 577.7 |
| 137.5° | 606.8 | 607.4 | 608.1 | 608.2 | 608.0 | 607.7 | 607.4 | 607.2 |
| 140°   | 624.8 | 625.3 | 625.8 | 626.0 | 625.7 | 625.4 | 625.2 | 624.9 |
| 142.5° | 641.8 | 642.2 | 642.6 | 642.7 | 642.3 | 642.0 | 641.6 | 641.2 |
| 145°   | 665.7 | 665.9 | 666.1 | 666.3 | 666.3 | 666.3 | 666.3 | 666.3 |
| 147.5° | 687.0 | 687.2 | 687.5 | 687.3 | 686.7 | 686.1 | 685.6 | 684.9 |
| 150°   | 700.1 | 700.3 | 700.5 | 700.5 | 700.1 | 699.7 | 699.3 | 698.9 |
| 152.5° | 711.6 | 712.1 | 712.6 | 712.5 | 711.9 | 711.3 | 710.7 | 710.1 |
| 155°   | 727.6 | 728.3 | 729.0 | 728.9 | 728.1 | 727.3 | 726.5 | 725.7 |
| 157.5° | 741.6 | 742.3 | 743.1 | 743.0 | 742.0 | 740.9 | 740.0 | 738.9 |
| 160°   | 749.5 | 750.3 | 751.0 | 751.0 | 750.0 | 749.2 | 748.2 | 747.3 |
| 162.5° | 756.7 | 757.6 | 758.4 | 758.4 | 757.6 | 756.9 | 756.1 | 755.3 |
| 165°   | 766.3 | 767.3 | 768.3 | 768.4 | 767.5 | 766.6 | 765.7 | 764.8 |
| 167.5° | 773.7 | 774.8 | 775.9 | 775.9 | 774.8 | 773.7 | 772.7 | 771.7 |
| 170°   | 777.9 | 779.0 | 780.1 | 780.1 | 779.0 | 777.9 | 776.9 | 775.9 |
| 172.5° | 780.8 | 781.8 | 782.8 | 782.8 | 781.6 | 780.5 | 779.3 | 778.2 |
| 175°   | 784.1 | 785.1 | 785.9 | 785.8 | 784.8 | 783.8 | 782.8 | 781.7 |
| 177.5° | 785.4 | 786.2 | 787.0 | 786.9 | 785.8 | 784.8 | 783.8 | 782.8 |
| 180°   | 784.7 | 784.7 | 784.7 | 784.7 | 784.7 | 784.7 | 784.7 | 784.7 |

(END OF REPORT)