

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: P332918

Luminaire Tested: **S124RDIP-S575D1035U835-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332918  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124RDIP-S575D1035U835-4F0-1E-UDD-F4  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED  
HOUSING  
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6046.5 lumens  
Efficiency: N/A  
Efficacy: 135.9 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

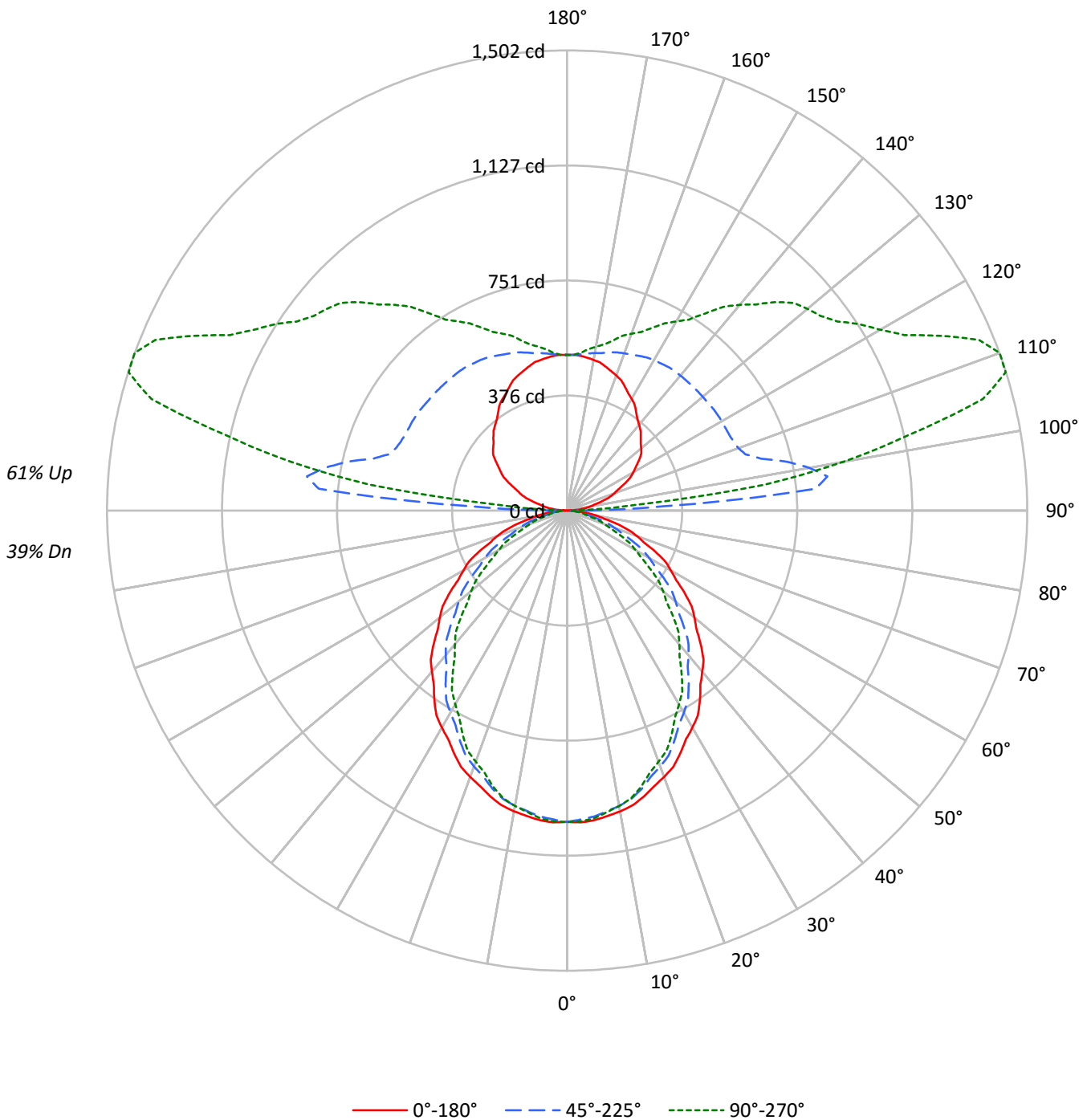
Input Watts (W): 44.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332918

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### Luminous Intensity Polar Plot





TEST NUMBER: P332918

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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   | 104 | 104 | 104 | 104 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 61 | 61 | 61 | 46 | 46 | 46 | 39 |
| 1   | 96  | 91  | 88  | 84  | 87 | 83 | 80 | 77 | 68 | 66 | 64 | 54 | 52 | 51 | 41 | 40 | 39 | 33 |
| 2   | 87  | 80  | 74  | 69  | 79 | 73 | 68 | 64 | 60 | 56 | 53 | 47 | 45 | 43 | 36 | 35 | 33 | 28 |
| 3   | 80  | 70  | 63  | 58  | 72 | 64 | 58 | 53 | 53 | 48 | 45 | 42 | 39 | 36 | 32 | 30 | 29 | 24 |
| 4   | 73  | 62  | 55  | 49  | 66 | 57 | 50 | 45 | 47 | 42 | 38 | 38 | 34 | 31 | 29 | 27 | 25 | 21 |
| 5   | 67  | 56  | 48  | 42  | 61 | 51 | 44 | 39 | 42 | 37 | 33 | 34 | 30 | 27 | 26 | 24 | 22 | 18 |
| 6   | 62  | 50  | 42  | 36  | 56 | 46 | 39 | 34 | 38 | 33 | 29 | 31 | 27 | 24 | 24 | 21 | 19 | 16 |
| 7   | 57  | 45  | 37  | 32  | 52 | 41 | 34 | 30 | 34 | 29 | 25 | 28 | 24 | 21 | 22 | 19 | 17 | 14 |
| 8   | 53  | 41  | 33  | 28  | 48 | 38 | 31 | 26 | 31 | 26 | 23 | 25 | 22 | 19 | 20 | 17 | 15 | 13 |
| 9   | 49  | 37  | 30  | 25  | 45 | 34 | 28 | 23 | 29 | 24 | 20 | 23 | 20 | 17 | 18 | 16 | 14 | 12 |
| 10  | 46  | 34  | 27  | 22  | 42 | 31 | 25 | 21 | 26 | 22 | 18 | 22 | 18 | 15 | 17 | 14 | 13 | 11 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 8205 | 8205 | 8205 |
| 5°  | 8223 | 8122 | 8173 |
| 10° | 8171 | 8025 | 8025 |
| 15° | 8078 | 7856 | 7798 |
| 20° | 7948 | 7635 | 7494 |
| 25° | 7784 | 7375 | 7187 |
| 30° | 7623 | 7101 | 6804 |
| 35° | 7447 | 6818 | 6419 |
| 40° | 7233 | 6495 | 6003 |
| 45° | 7036 | 6174 | 5579 |
| 50° | 6812 | 5805 | 5130 |
| 55° | 6572 | 5422 | 4643 |
| 60° | 6307 | 5000 | 4146 |
| 65° | 6065 | 4474 | 3656 |
| 70° | 5712 | 3895 | 3104 |
| 75° | 5268 | 3228 | 2523 |
| 80° | 4593 | 2459 | 2315 |
| 85° | 3890 | 2232 | 2093 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 95.5   | 1.6       |
| 10°-20°   | 266.2  | 4.4       |
| 20°-30°   | 384.4  | 6.4       |
| 30°-40°   | 435.7  | 7.2       |
| 40°-50°   | 420.8  | 7.0       |
| 50°-60°   | 349.9  | 5.8       |
| 60°-70°   | 241.6  | 4.0       |
| 70°-80°   | 122.5  | 2.0       |
| 80°-90°   | 34.2   | 0.6       |
| 90°-100°  | 367.0  | 6.1       |
| 100°-110° | 763.9  | 12.6      |
| 110°-120° | 684.2  | 11.3      |
| 120°-130° | 575.5  | 9.5       |
| 130°-140° | 479.9  | 7.9       |
| 140°-150° | 366.6  | 6.1       |
| 150°-160° | 257.7  | 4.3       |
| 160°-170° | 151.6  | 2.5       |
| 170°-180° | 49.3   | 0.8       |
| 0°-30°    | 746.1  | 12.3      |
| 0°-40°    | 1181.8 | 19.5      |
| 0°-60°    | 1952.5 | 32.3      |
| 0°-90°    | 2350.8 | 38.9      |
| 90°-120°  | 1815.1 | 30.0      |
| 90°-150°  | 3237.1 | 53.5      |
| 90°-180°  | 3696.0 | 61.1      |
| 0°-180°   | 6046.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1016 | 1016  | 1016 | 1016  | 1016 |      |
| 5°   | 1015 | 1011  | 1002 | 1010  | 1008 | 96   |
| 15°  | 966  | 959   | 940  | 938   | 933  | 272  |
| 25°  | 874  | 859   | 828  | 815   | 807  | 402  |
| 35°  | 756  | 730   | 692  | 666   | 651  | 472  |
| 45°  | 616  | 586   | 541  | 504   | 489  | 475  |
| 55°  | 467  | 435   | 385  | 346   | 330  | 418  |
| 65°  | 318  | 283   | 234  | 202   | 191  | 313  |
| 75°  | 169  | 140   | 104  | 86    | 81   | 178  |
| 85°  | 42   | 27    | 24   | 23    | 23   | 47   |
| 90°  | 1    | 8     | 18   | 20    | 21   | 4    |
| 95°  | 33   | 104   | 814  | 403   | 244  | 37   |
| 105° | 117  | 169   | 655  | 1410  | 1405 | 125  |
| 115° | 206  | 258   | 584  | 1122  | 1349 | 204  |
| 125° | 286  | 340   | 581  | 955   | 1076 | 255  |
| 135° | 340  | 405   | 576  | 848   | 962  | 263  |
| 145° | 392  | 449   | 573  | 715   | 786  | 246  |
| 155° | 446  | 482   | 557  | 631   | 658  | 206  |
| 165° | 486  | 501   | 534  | 566   | 574  | 137  |
| 175° | 507  | 508   | 512  | 519   | 517  | 48   |
| 180° | 508  | 508   | 508  | 508   | 508  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1016.3 | 1016.3 | 1016.3 | 1016.3 | 1016.3 | 1016.3 | 1016.3 | 1016.3 | 1016.3 | 1016.3 | 1016.3 |
| 2.5°   | 1018.8 | 1018.2 | 1017.7 | 1017.1 | 1016.6 | 1015.5 | 1014.0 | 1012.5 | 1010.9 | 1009.4 | 1010.9 |
| 5°     | 1014.7 | 1014.0 | 1013.3 | 1012.6 | 1012.0 | 1010.6 | 1008.5 | 1006.4 | 1004.3 | 1002.3 | 1004.0 |
| 7.5°   | 1005.5 | 1004.8 | 1004.1 | 1003.4 | 1002.6 | 1000.9 | 998.2  | 995.5  | 992.8  | 990.1  | 991.2  |
| 10°    | 996.8  | 996.0  | 995.1  | 994.2  | 993.4  | 991.4  | 988.3  | 985.1  | 982.0  | 978.9  | 979.6  |
| 12.5°  | 985.6  | 984.6  | 983.6  | 982.6  | 981.6  | 979.3  | 975.6  | 971.9  | 968.3  | 964.6  | 965.0  |
| 15°    | 966.5  | 964.9  | 963.4  | 961.8  | 960.2  | 957.3  | 953.0  | 948.7  | 944.3  | 940.0  | 939.7  |
| 17.5°  | 943.3  | 941.0  | 938.8  | 936.5  | 934.3  | 930.6  | 925.4  | 920.2  | 915.0  | 909.8  | 908.9  |
| 20°    | 925.2  | 923.0  | 920.7  | 918.5  | 916.2  | 912.2  | 906.3  | 900.4  | 894.5  | 888.7  | 887.3  |
| 22.5°  | 905.3  | 902.8  | 900.3  | 897.7  | 895.2  | 890.8  | 884.5  | 878.2  | 871.9  | 865.6  | 863.5  |
| 25°    | 873.9  | 870.8  | 867.6  | 864.5  | 861.4  | 856.3  | 849.2  | 842.1  | 835.0  | 828.0  | 825.0  |
| 27.5°  | 840.9  | 837.0  | 833.1  | 829.2  | 825.2  | 819.5  | 811.9  | 804.4  | 796.8  | 789.2  | 785.6  |
| 30°    | 817.8  | 813.5  | 809.2  | 804.9  | 800.6  | 794.3  | 786.2  | 778.1  | 769.9  | 761.8  | 757.5  |
| 32.5°  | 793.6  | 788.7  | 783.8  | 778.9  | 774.1  | 767.4  | 759.0  | 750.6  | 742.2  | 733.8  | 728.8  |
| 35°    | 755.6  | 750.1  | 744.5  | 739.0  | 733.5  | 726.4  | 717.7  | 709.1  | 700.4  | 691.8  | 685.9  |
| 37.5°  | 715.0  | 709.3  | 703.6  | 697.9  | 692.1  | 684.5  | 674.9  | 665.3  | 655.8  | 646.2  | 639.6  |
| 40°    | 686.3  | 680.6  | 674.9  | 669.2  | 663.5  | 655.7  | 645.9  | 636.0  | 626.2  | 616.3  | 609.0  |
| 42.5°  | 658.9  | 653.0  | 647.0  | 641.0  | 635.0  | 626.9  | 616.6  | 606.3  | 596.1  | 585.8  | 578.4  |
| 45°    | 616.3  | 609.9  | 603.5  | 597.1  | 590.7  | 582.3  | 571.9  | 561.6  | 551.2  | 540.8  | 532.3  |
| 47.5°  | 572.3  | 565.7  | 559.0  | 552.4  | 545.8  | 537.1  | 526.3  | 515.6  | 504.8  | 494.0  | 485.2  |
| 50°    | 542.4  | 535.6  | 528.9  | 522.1  | 515.4  | 506.5  | 495.4  | 484.4  | 473.3  | 462.2  | 453.6  |
| 52.5°  | 511.9  | 505.3  | 498.7  | 492.1  | 485.4  | 476.5  | 465.1  | 453.8  | 442.4  | 431.1  | 422.3  |
| 55°    | 466.9  | 460.0  | 453.1  | 446.1  | 439.2  | 430.1  | 418.9  | 407.7  | 396.4  | 385.2  | 376.2  |
| 57.5°  | 422.4  | 415.2  | 408.0  | 400.8  | 393.6  | 384.5  | 373.4  | 362.3  | 351.3  | 340.2  | 331.1  |
| 60°    | 390.6  | 383.7  | 376.8  | 369.9  | 363.0  | 354.0  | 342.9  | 331.8  | 320.8  | 309.7  | 300.7  |
| 62.5°  | 362.0  | 354.8  | 347.6  | 340.4  | 333.2  | 324.0  | 312.6  | 301.3  | 289.9  | 278.6  | 270.3  |
| 65°    | 317.5  | 310.1  | 302.6  | 295.2  | 287.7  | 278.5  | 267.4  | 256.4  | 245.3  | 234.2  | 226.8  |
| 67.5°  | 271.3  | 264.1  | 257.0  | 249.9  | 242.8  | 234.1  | 223.8  | 213.5  | 203.3  | 193.0  | 186.6  |
| 70°    | 242.0  | 234.7  | 227.5  | 220.2  | 213.0  | 204.4  | 194.5  | 184.7  | 174.8  | 165.0  | 159.3  |
| 72.5°  | 210.9  | 204.3  | 197.7  | 191.2  | 184.6  | 176.7  | 167.4  | 158.1  | 148.7  | 139.4  | 134.6  |
| 75°    | 168.9  | 162.5  | 156.1  | 149.7  | 143.3  | 136.0  | 127.9  | 119.7  | 111.6  | 103.5  | 99.5   |
| 77.5°  | 126.2  | 120.8  | 115.4  | 109.9  | 104.5  | 98.5   | 91.9   | 85.4   | 78.8   | 72.2   | 69.9   |
| 80°    | 98.8   | 93.8   | 88.8   | 83.8   | 78.8   | 73.7   | 68.5   | 63.3   | 58.1   | 52.9   | 52.4   |
| 82.5°  | 75.2   | 70.6   | 66.0   | 61.4   | 56.8   | 53.0   | 50.0   | 47.0   | 44.1   | 41.1   | 40.7   |
| 85°    | 42.0   | 38.6   | 35.1   | 31.6   | 28.2   | 26.2   | 25.7   | 25.2   | 24.6   | 24.1   | 23.8   |
| 87.5°  | 14.5   | 13.8   | 13.3   | 12.4   | 11.5   | 10.9   | 11.9   | 11.8   | 12.0   | 12.3   | 12.0   |
| 90°    | 1.0    | 3.0    | 6.0    | 7.0    | 8.0    | 8.0    | 14.0   | 14.0   | 16.0   | 18.0   | 17.0   |
| 92.5°  | 11.4   | 16.6   | 26.0   | 38.1   | 52.7   | 73.5   | 124.2  | 201.7  | 277.1  | 316.7  | 263.8  |
| 95°    | 32.9   | 35.9   | 45.9   | 58.9   | 82.9   | 124.8  | 211.6  | 375.4  | 614.0  | 813.6  | 836.6  |
| 97.5°  | 59.1   | 59.1   | 67.7   | 79.7   | 100.2  | 135.4  | 202.3  | 337.4  | 574.6  | 856.9  | 1051.0 |
| 100°   | 75.9   | 75.9   | 82.9   | 94.8   | 113.8  | 145.8  | 204.7  | 317.5  | 521.1  | 802.6  | 1058.2 |
| 102.5° | 91.8   | 93.4   | 99.6   | 110.8  | 129.0  | 159.3  | 212.6  | 311.9  | 485.2  | 734.8  | 998.3  |
| 105°   | 116.8  | 119.8  | 124.8  | 136.8  | 154.7  | 183.7  | 231.6  | 314.5  | 454.2  | 654.9  | 889.5  |
| 107.5° | 144.4  | 146.4  | 151.3  | 164.1  | 181.3  | 209.8  | 253.8  | 329.2  | 448.6  | 610.2  | 801.6  |
| 110°   | 162.7  | 164.7  | 169.7  | 181.7  | 199.7  | 226.6  | 270.5  | 340.4  | 450.2  | 595.0  | 757.7  |



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CATALOG NUMBER: S124RDIP-S575D1035U835-4F0-1E-UDD-F4

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 180.3 | 182.3 | 188.1 | 199.3 | 217.2 | 244.2 | 286.5 | 352.4 | 455.0 | 587.8 | 733.0 |
| 115°   | 205.7 | 208.6 | 215.6 | 225.6 | 244.6 | 271.5 | 311.5 | 371.4 | 464.2 | 584.0 | 709.8 |
| 117.5° | 232.0 | 234.8 | 241.0 | 252.0 | 269.7 | 297.7 | 335.6 | 390.7 | 474.0 | 583.0 | 699.4 |
| 120°   | 249.6 | 251.6 | 258.6 | 269.5 | 286.5 | 314.5 | 352.4 | 404.3 | 481.2 | 583.0 | 693.8 |
| 122.5° | 265.6 | 267.5 | 274.5 | 284.7 | 303.3 | 330.4 | 368.4 | 417.1 | 488.4 | 582.2 | 687.4 |
| 125°   | 286.5 | 290.5 | 296.5 | 307.5 | 326.4 | 354.4 | 390.3 | 436.3 | 499.2 | 581.0 | 676.9 |
| 127.5° | 305.1 | 308.3 | 315.5 | 328.0 | 347.8 | 376.0 | 410.7 | 452.8 | 507.7 | 578.8 | 662.7 |
| 130°   | 315.5 | 319.5 | 327.4 | 342.4 | 361.4 | 390.3 | 424.3 | 463.2 | 514.1 | 578.0 | 653.9 |
| 132.5° | 325.8 | 329.0 | 339.4 | 353.6 | 374.2 | 401.5 | 435.5 | 473.6 | 519.7 | 577.2 | 645.9 |
| 135°   | 340.4 | 344.4 | 354.4 | 371.4 | 392.3 | 418.3 | 451.2 | 487.2 | 528.1 | 576.0 | 633.9 |
| 137.5° | 355.0 | 358.8 | 369.8 | 385.9 | 407.7 | 432.5 | 463.2 | 496.8 | 533.1 | 575.8 | 623.5 |
| 140°   | 365.4 | 368.4 | 379.4 | 396.3 | 417.3 | 441.3 | 471.2 | 503.1 | 537.1 | 575.0 | 618.0 |
| 142.5° | 376.6 | 379.6 | 389.7 | 405.9 | 426.1 | 449.2 | 478.4 | 507.9 | 540.3 | 575.0 | 613.2 |
| 145°   | 392.3 | 395.3 | 405.3 | 419.3 | 438.3 | 460.2 | 486.2 | 513.1 | 542.1 | 573.0 | 605.0 |
| 147.5° | 410.1 | 411.1 | 419.9 | 434.3 | 450.0 | 469.8 | 494.2 | 517.7 | 543.1 | 569.4 | 597.6 |
| 150°   | 421.3 | 422.3 | 430.3 | 442.3 | 457.2 | 476.2 | 498.2 | 520.1 | 543.1 | 567.0 | 592.0 |
| 152.5° | 431.7 | 431.9 | 439.9 | 451.0 | 464.4 | 481.8 | 501.4 | 521.7 | 541.5 | 563.0 | 585.6 |
| 155°   | 446.2 | 447.2 | 453.2 | 463.2 | 474.2 | 489.2 | 506.1 | 523.1 | 539.1 | 557.1 | 576.0 |
| 157.5° | 460.4 | 460.4 | 466.0 | 473.8 | 483.4 | 495.2 | 509.5 | 523.1 | 536.5 | 550.9 | 566.2 |
| 160°   | 469.2 | 469.2 | 473.2 | 480.2 | 488.2 | 499.2 | 511.1 | 523.1 | 534.1 | 546.1 | 559.1 |
| 162.5° | 477.2 | 476.4 | 479.6 | 485.8 | 493.0 | 501.6 | 512.7 | 523.1 | 531.7 | 541.3 | 552.7 |
| 165°   | 486.2 | 486.2 | 488.2 | 493.2 | 498.2 | 504.1 | 513.1 | 521.1 | 527.1 | 534.1 | 542.1 |
| 167.5° | 495.2 | 494.2 | 495.2 | 499.0 | 501.8 | 506.3 | 512.9 | 518.7 | 522.3 | 526.9 | 532.5 |
| 170°   | 499.2 | 498.2 | 499.2 | 502.2 | 504.1 | 507.1 | 512.1 | 517.1 | 519.1 | 522.1 | 526.1 |
| 172.5° | 503.1 | 502.2 | 502.3 | 504.5 | 505.7 | 507.9 | 511.3 | 515.5 | 515.9 | 517.3 | 520.5 |
| 175°   | 507.1 | 506.1 | 506.1 | 507.1 | 508.1 | 508.1 | 510.1 | 513.1 | 512.1 | 512.1 | 514.1 |
| 177.5° | 508.9 | 508.1 | 507.3 | 508.1 | 508.1 | 508.1 | 508.9 | 510.5 | 508.9 | 508.9 | 509.7 |
| 180°   | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1016.3 | 1016.3 | 1016.3 | 1016.3 | 1016.3 | 1016.3 | 1016.3 | 1016.3 |
| 2.5°   | 1012.5 | 1014.0 | 1015.5 | 1016.2 | 1016.1 | 1015.9 | 1015.8 | 1015.7 |
| 5°     | 1005.7 | 1007.5 | 1009.2 | 1009.9 | 1009.5 | 1009.2 | 1008.8 | 1008.5 |
| 7.5°   | 992.3  | 993.4  | 994.6  | 994.8  | 994.3  | 993.7  | 993.2  | 992.6  |
| 10°    | 980.3  | 981.0  | 981.7  | 981.7  | 981.0  | 980.3  | 979.6  | 978.9  |
| 12.5°  | 965.4  | 965.8  | 966.3  | 966.0  | 965.0  | 964.1  | 963.1  | 962.1  |
| 15°    | 939.3  | 939.0  | 938.6  | 937.9  | 936.6  | 935.4  | 934.2  | 933.0  |
| 17.5°  | 907.9  | 906.9  | 905.9  | 904.5  | 902.7  | 900.9  | 899.0  | 897.2  |
| 20°    | 885.9  | 884.5  | 883.1  | 881.3  | 879.1  | 876.8  | 874.6  | 872.3  |
| 22.5°  | 861.5  | 859.4  | 857.3  | 855.4  | 853.5  | 851.7  | 849.9  | 848.0  |
| 25°    | 822.1  | 819.1  | 816.2  | 813.9  | 812.1  | 810.4  | 808.7  | 806.9  |
| 27.5°  | 781.9  | 778.3  | 774.7  | 771.6  | 769.1  | 766.6  | 764.2  | 761.7  |
| 30°    | 753.2  | 748.8  | 744.5  | 741.0  | 738.2  | 735.4  | 732.7  | 729.9  |
| 32.5°  | 723.8  | 718.8  | 713.7  | 709.9  | 707.3  | 704.7  | 702.0  | 699.4  |
| 35°    | 680.0  | 674.1  | 668.3  | 663.8  | 660.7  | 657.5  | 654.4  | 651.3  |
| 37.5°  | 633.0  | 626.5  | 619.9  | 615.1  | 611.9  | 608.8  | 605.7  | 602.6  |
| 40°    | 601.8  | 594.5  | 587.2  | 582.1  | 578.9  | 575.8  | 572.7  | 569.6  |
| 42.5°  | 571.0  | 563.6  | 556.2  | 550.9  | 547.6  | 544.4  | 541.1  | 537.9  |
| 45°    | 523.9  | 515.4  | 506.9  | 501.1  | 498.0  | 494.9  | 491.8  | 488.7  |
| 47.5°  | 476.4  | 467.6  | 458.8  | 452.7  | 449.3  | 445.9  | 442.5  | 439.0  |
| 50°    | 444.9  | 436.3  | 427.6  | 421.7  | 418.4  | 415.1  | 411.8  | 408.5  |
| 52.5°  | 413.5  | 404.7  | 396.0  | 389.9  | 386.4  | 383.0  | 379.6  | 376.2  |
| 55°    | 367.2  | 358.2  | 349.2  | 343.1  | 339.8  | 336.5  | 333.2  | 329.9  |
| 57.5°  | 321.9  | 312.8  | 303.7  | 297.9  | 295.4  | 292.9  | 290.4  | 287.9  |
| 60°    | 291.7  | 282.7  | 273.7  | 267.9  | 265.1  | 262.3  | 259.6  | 256.8  |
| 62.5°  | 262.0  | 253.7  | 245.4  | 240.1  | 237.9  | 235.7  | 233.5  | 231.3  |
| 65°    | 219.4  | 211.9  | 204.5  | 199.7  | 197.7  | 195.6  | 193.5  | 191.4  |
| 67.5°  | 180.2  | 173.8  | 167.4  | 163.1  | 160.8  | 158.5  | 156.2  | 153.9  |
| 70°    | 153.6  | 147.9  | 142.1  | 138.4  | 136.7  | 135.0  | 133.2  | 131.5  |
| 72.5°  | 129.7  | 124.8  | 119.9  | 116.7  | 115.1  | 113.5  | 111.9  | 110.3  |
| 75°    | 95.5   | 91.6   | 87.6   | 85.1   | 84.0   | 83.0   | 82.0   | 80.9   |
| 77.5°  | 67.6   | 65.3   | 62.9   | 61.6   | 61.3   | 61.0   | 60.7   | 60.4   |
| 80°    | 51.9   | 51.4   | 50.8   | 50.5   | 50.3   | 50.1   | 50.0   | 49.8   |
| 82.5°  | 40.3   | 39.9   | 39.6   | 39.3   | 39.1   | 38.9   | 38.8   | 38.6   |
| 85°    | 23.4   | 23.1   | 22.7   | 22.6   | 22.6   | 22.6   | 22.6   | 22.6   |
| 87.5°  | 12.0   | 12.1   | 12.2   | 12.2   | 12.5   | 12.8   | 12.8   | 12.9   |
| 90°    | 18.0   | 19.0   | 20.0   | 20.0   | 21.0   | 22.0   | 21.0   | 21.0   |
| 92.5°  | 196.1  | 147.6  | 117.4  | 97.4   | 85.7   | 80.3   | 76.9   | 76.9   |
| 95°    | 739.7  | 585.0  | 451.2  | 354.4  | 305.5  | 274.5  | 256.6  | 243.6  |
| 97.5°  | 1093.0 | 1035.4 | 937.8  | 833.6  | 761.9  | 701.8  | 671.9  | 651.1  |
| 100°   | 1204.0 | 1223.9 | 1175.0 | 1101.1 | 1014.3 | 953.4  | 923.4  | 915.5  |
| 102.5° | 1198.4 | 1297.4 | 1311.6 | 1280.8 | 1227.5 | 1183.4 | 1151.9 | 1145.5 |
| 105°   | 1118.1 | 1290.8 | 1389.6 | 1430.6 | 1432.6 | 1424.6 | 1410.6 | 1404.6 |
| 107.5° | 1004.1 | 1188.0 | 1327.2 | 1416.2 | 1465.5 | 1488.3 | 1498.3 | 1500.9 |
| 110°   | 935.4  | 1108.1 | 1252.9 | 1362.7 | 1433.6 | 1475.5 | 1493.5 | 1502.5 |





TEST NUMBER: P332918

CATALOG NUMBER: S124RDIP-S575D1035U835-4F0-1E-UDD-F4

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 885.1 | 1037.8 | 1174.6 | 1284.4 | 1364.9 | 1415.6 | 1440.8 | 1455.3 |
| 115°   | 834.6 | 957.4  | 1074.2 | 1170.0 | 1248.9 | 1308.8 | 1340.7 | 1348.7 |
| 117.5° | 809.8 | 911.5  | 1003.3 | 1084.6 | 1151.9 | 1202.2 | 1234.5 | 1240.7 |
| 120°   | 798.6 | 891.5  | 971.4  | 1042.2 | 1099.1 | 1143.1 | 1169.0 | 1180.0 |
| 122.5° | 789.1 | 878.7  | 951.4  | 1013.5 | 1061.6 | 1099.1 | 1121.1 | 1132.1 |
| 125°   | 772.7 | 858.5  | 927.4  | 982.3  | 1022.3 | 1051.2 | 1070.2 | 1076.2 |
| 127.5° | 752.7 | 834.8  | 903.5  | 955.6  | 995.7  | 1021.5 | 1037.4 | 1043.4 |
| 130°   | 736.8 | 815.6  | 883.5  | 936.4  | 977.3  | 1002.3 | 1018.3 | 1024.3 |
| 132.5° | 720.0 | 794.1  | 860.3  | 913.3  | 953.4  | 981.5  | 996.7  | 1002.7 |
| 135°   | 696.8 | 761.7  | 822.6  | 872.5  | 912.5  | 940.4  | 956.4  | 962.4  |
| 137.5° | 675.9 | 730.8  | 782.1  | 827.2  | 864.5  | 892.1  | 905.3  | 912.5  |
| 140°   | 663.9 | 710.8  | 755.7  | 797.6  | 832.6  | 854.6  | 868.5  | 876.5  |
| 142.5° | 652.7 | 694.0  | 732.6  | 768.9  | 799.8  | 820.2  | 832.6  | 838.2  |
| 145°   | 636.9 | 670.9  | 700.8  | 728.8  | 753.7  | 770.7  | 780.7  | 785.7  |
| 147.5° | 623.9 | 650.9  | 674.9  | 696.8  | 715.2  | 729.8  | 737.4  | 739.1  |
| 150°   | 616.0 | 638.9  | 658.9  | 676.9  | 692.8  | 705.8  | 711.8  | 712.8  |
| 152.5° | 607.2 | 626.9  | 645.3  | 660.1  | 673.7  | 684.2  | 687.8  | 688.8  |
| 155°   | 594.0 | 610.0  | 624.9  | 636.9  | 646.9  | 654.9  | 657.9  | 657.9  |
| 157.5° | 579.8 | 593.2  | 605.8  | 615.4  | 622.9  | 628.9  | 630.7  | 630.7  |
| 160°   | 571.0 | 582.0  | 593.0  | 601.0  | 607.0  | 613.0  | 614.0  | 614.0  |
| 162.5° | 562.2 | 571.6  | 580.2  | 587.4  | 591.8  | 597.8  | 598.8  | 598.0  |
| 165°   | 550.1 | 556.1  | 563.0  | 568.0  | 572.0  | 576.0  | 575.0  | 574.0  |
| 167.5° | 538.3 | 542.9  | 548.5  | 551.5  | 553.5  | 556.1  | 555.9  | 555.1  |
| 170°   | 531.1 | 534.1  | 538.1  | 541.1  | 543.1  | 544.1  | 543.1  | 543.1  |
| 172.5° | 524.7 | 526.9  | 529.3  | 531.5  | 532.7  | 533.7  | 532.7  | 531.1  |
| 175°   | 516.1 | 517.1  | 519.1  | 519.1  | 519.1  | 521.1  | 519.1  | 517.1  |
| 177.5° | 510.5 | 511.3  | 511.3  | 512.1  | 511.3  | 512.1  | 510.5  | 508.9  |
| 180°   | 508.1 | 508.1  | 508.1  | 508.1  | 508.1  | 508.1  | 508.1  | 508.1  |

(END OF REPORT)