

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: P332911

Luminaire Tested: **S124RDIP-S575D810U835-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332911  
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: S124RDIP-S575D810U835-4F0-1E-UDD-F1  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED  
HOUSING  
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5155.6 lumens  
Efficiency: N/A  
Efficacy: 134.3 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: General Diffuse

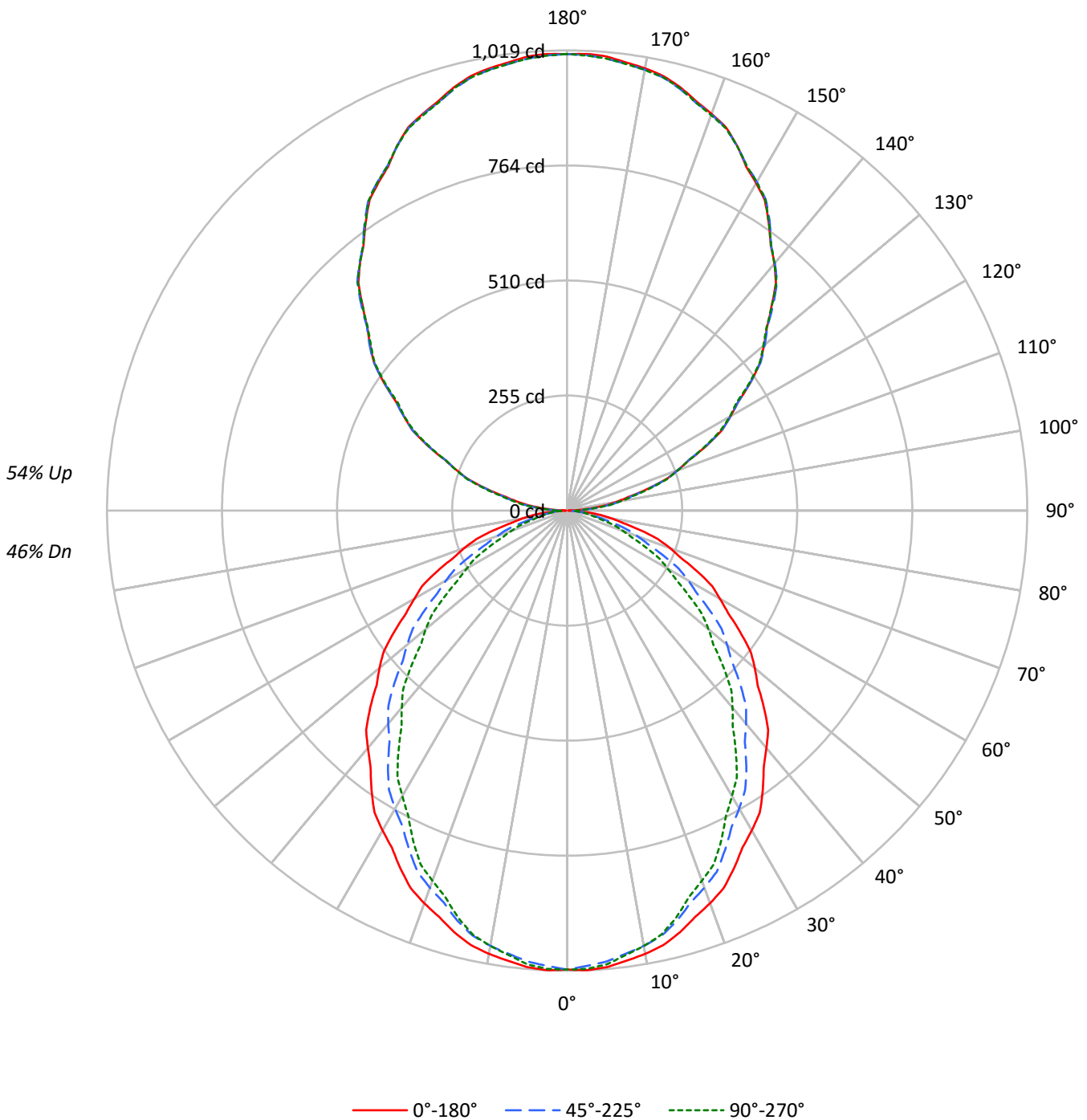
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





TEST NUMBER: P332911

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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 | 81 | 81 | 81 | 66 | 66 | 66 | 52 | 52 | 52 | 46 |
| 1   | 97  | 93  | 89  | 86  | 89 | 85 | 82 | 79 | 71 | 69 | 67 | 58 | 57 | 55 | 46 | 45 | 44 | 39 |
| 2   | 89  | 81  | 75  | 70  | 81 | 75 | 70 | 65 | 63 | 59 | 56 | 51 | 49 | 47 | 41 | 39 | 38 | 33 |
| 3   | 81  | 72  | 65  | 59  | 74 | 66 | 60 | 55 | 55 | 51 | 47 | 46 | 42 | 40 | 37 | 34 | 32 | 28 |
| 4   | 74  | 64  | 56  | 50  | 68 | 59 | 52 | 47 | 49 | 44 | 40 | 41 | 37 | 34 | 33 | 30 | 28 | 24 |
| 5   | 68  | 57  | 49  | 43  | 62 | 52 | 45 | 40 | 44 | 39 | 35 | 37 | 33 | 30 | 30 | 27 | 25 | 21 |
| 6   | 63  | 51  | 43  | 37  | 57 | 47 | 40 | 35 | 40 | 35 | 30 | 33 | 29 | 26 | 27 | 24 | 22 | 19 |
| 7   | 58  | 46  | 38  | 33  | 53 | 43 | 36 | 31 | 36 | 31 | 27 | 30 | 26 | 23 | 25 | 22 | 19 | 17 |
| 8   | 54  | 42  | 34  | 29  | 49 | 39 | 32 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 23 | 20 | 17 | 15 |
| 9   | 50  | 38  | 31  | 26  | 46 | 35 | 29 | 24 | 30 | 25 | 21 | 26 | 21 | 19 | 21 | 18 | 16 | 14 |
| 10  | 47  | 35  | 28  | 23  | 43 | 33 | 26 | 22 | 28 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 14 | 12 |

**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   | 1.9       |
| 10°-20°   | 266.2  | 5.2       |
| 20°-30°   | 384.4  | 7.5       |
| 30°-40°   | 435.7  | 8.5       |
| 40°-50°   | 420.8  | 8.2       |
| 50°-60°   | 349.9  | 6.8       |
| 60°-70°   | 241.6  | 4.7       |
| 70°-80°   | 122.5  | 2.4       |
| 80°-90°   | 34.4   | 0.7       |
| 90°-100°  | 66.7   | 1.3       |
| 100°-110° | 197.5  | 3.8       |
| 110°-120° | 335.2  | 6.5       |
| 120°-130° | 442.0  | 8.6       |
| 130°-140° | 496.4  | 9.6       |
| 140°-150° | 487.8  | 9.5       |
| 150°-160° | 410.3  | 8.0       |
| 160°-170° | 273.0  | 5.3       |
| 170°-180° | 95.6   | 1.9       |
| 0°-30°    | 746.1  | 14.5      |
| 0°-40°    | 1181.8 | 22.9      |
| 0°-60°    | 1952.5 | 37.9      |
| 0°-90°    | 2351.0 | 45.6      |
| 90°-120°  | 599.4  | 11.6      |
| 90°-150°  | 2025.7 | 39.3      |
| 90°-180°  | 2805.0 | 54.4      |
| 0°-180°   | 5155.6 | 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°  | 2    | 11    | 17   | 22    | 24   | 5    |
| 95°  | 47   | 54    | 59   | 62    | 62   | 52   |
| 105° | 182  | 183   | 186  | 188   | 191  | 193  |
| 115° | 341  | 341   | 339  | 338   | 338  | 336  |
| 125° | 496  | 496   | 496  | 494   | 492  | 442  |
| 135° | 640  | 645   | 645  | 643   | 641  | 495  |
| 145° | 778  | 781   | 782  | 781   | 779  | 487  |
| 155° | 891  | 891   | 890  | 893   | 890  | 410  |
| 165° | 970  | 968   | 966  | 971   | 968  | 273  |
| 175° | 1009 | 1006  | 1005 | 1010  | 1005 | 96   |
| 180° | 1011 | 1011  | 1011 | 1011  | 1011 |      |



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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°  | 14.8   | 14.1   | 13.3   | 12.6   | 11.9   | 11.6   | 11.7   | 11.9   | 12.0   | 12.2   | 12.2   |
| 90°    | 2.3    | 4.3    | 6.2    | 8.1    | 10.0   | 11.6   | 13.0   | 14.4   | 15.8   | 17.2   | 18.2   |
| 92.5°  | 16.7   | 18.9   | 21.1   | 23.3   | 25.5   | 27.1   | 28.0   | 29.0   | 30.0   | 31.0   | 31.6   |
| 95°    | 46.9   | 48.5   | 50.0   | 51.6   | 53.2   | 54.6   | 55.8   | 57.0   | 58.2   | 59.4   | 59.9   |
| 97.5°  | 81.9   | 83.2   | 84.4   | 85.7   | 86.9   | 88.3   | 89.7   | 91.1   | 92.5   | 94.0   | 94.6   |
| 100°   | 109.5  | 110.1  | 110.8  | 111.5  | 112.2  | 113.4  | 114.9  | 116.5  | 118.0  | 119.6  | 120.0  |
| 102.5° | 138.2  | 138.5  | 138.8  | 139.1  | 139.3  | 140.2  | 141.6  | 143.0  | 144.5  | 145.9  | 146.4  |
| 105°   | 182.2  | 182.3  | 182.5  | 182.7  | 182.9  | 183.3  | 184.0  | 184.7  | 185.4  | 186.1  | 186.6  |
| 107.5° | 228.3  | 228.5  | 228.7  | 228.9  | 229.1  | 229.3  | 229.4  | 229.5  | 229.6  | 229.7  | 230.2  |
| 110°   | 259.6  | 259.9  | 260.2  | 260.6  | 260.9  | 261.0  | 260.9  | 260.7  | 260.5  | 260.3  | 260.0  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 292.1  | 292.1  | 292.2  | 292.3  | 292.4  | 292.2  | 291.9  | 291.6  | 291.3  | 291.0  | 290.9  |
| 115°   | 340.9  | 340.9  | 340.9  | 340.9  | 340.9  | 340.7  | 340.3  | 340.0  | 339.6  | 339.3  | 339.1  |
| 117.5° | 386.8  | 387.0  | 387.1  | 387.2  | 387.4  | 387.3  | 387.1  | 386.8  | 386.6  | 386.4  | 385.8  |
| 120°   | 417.5  | 418.2  | 418.9  | 419.6  | 420.3  | 420.3  | 419.8  | 419.3  | 418.8  | 418.3  | 417.4  |
| 122.5° | 449.4  | 449.6  | 449.9  | 450.2  | 450.5  | 450.5  | 450.3  | 450.0  | 449.8  | 449.5  | 448.9  |
| 125°   | 496.4  | 496.4  | 496.4  | 496.4  | 496.4  | 496.3  | 496.2  | 496.0  | 495.8  | 495.7  | 495.3  |
| 127.5° | 539.1  | 539.6  | 540.2  | 540.7  | 541.2  | 541.3  | 541.0  | 540.8  | 540.5  | 540.2  | 539.9  |
| 130°   | 569.1  | 569.7  | 570.2  | 570.7  | 571.2  | 571.5  | 571.5  | 571.5  | 571.5  | 571.5  | 571.1  |
| 132.5° | 599.8  | 600.2  | 600.6  | 600.9  | 601.3  | 601.4  | 601.3  | 601.2  | 601.0  | 600.9  | 600.5  |
| 135°   | 640.3  | 641.3  | 642.4  | 643.4  | 644.5  | 645.0  | 645.0  | 645.0  | 645.0  | 645.0  | 644.6  |
| 137.5° | 684.4  | 684.9  | 685.3  | 685.8  | 686.3  | 686.7  | 687.0  | 687.3  | 687.5  | 687.8  | 687.4  |
| 140°   | 713.8  | 714.1  | 714.5  | 714.8  | 715.2  | 715.3  | 715.3  | 715.3  | 715.3  | 715.3  | 715.2  |
| 142.5° | 740.7  | 741.0  | 741.4  | 741.7  | 742.1  | 742.2  | 742.0  | 741.9  | 741.7  | 741.6  | 741.6  |
| 145°   | 777.9  | 778.6  | 779.3  | 780.0  | 780.7  | 781.1  | 781.3  | 781.4  | 781.6  | 781.8  | 781.6  |
| 147.5° | 814.8  | 815.6  | 816.4  | 817.3  | 818.1  | 818.5  | 818.3  | 818.2  | 818.0  | 817.9  | 817.8  |
| 150°   | 837.3  | 838.0  | 838.7  | 839.4  | 840.1  | 840.4  | 840.4  | 840.4  | 840.4  | 840.4  | 840.4  |
| 152.5° | 858.6  | 859.0  | 859.4  | 859.8  | 860.2  | 860.5  | 860.6  | 860.8  | 860.9  | 861.1  | 861.5  |
| 155°   | 891.2  | 891.2  | 891.2  | 891.2  | 891.2  | 891.1  | 891.0  | 890.8  | 890.6  | 890.5  | 891.1  |
| 157.5° | 918.8  | 918.4  | 918.1  | 917.8  | 917.5  | 917.3  | 917.3  | 917.3  | 917.2  | 917.2  | 917.7  |
| 160°   | 935.0  | 934.8  | 934.7  | 934.5  | 934.3  | 934.1  | 934.0  | 933.8  | 933.6  | 933.5  | 934.0  |
| 162.5° | 950.0  | 949.6  | 949.1  | 948.7  | 948.2  | 947.9  | 947.7  | 947.6  | 947.4  | 947.2  | 948.2  |
| 165°   | 970.2  | 969.7  | 969.2  | 968.6  | 968.1  | 967.7  | 967.3  | 967.0  | 966.6  | 966.3  | 967.3  |
| 167.5° | 985.7  | 984.9  | 984.2  | 983.5  | 982.8  | 982.4  | 982.4  | 982.5  | 982.5  | 982.5  | 983.6  |
| 170°   | 994.4  | 993.6  | 992.7  | 991.8  | 991.0  | 990.6  | 990.8  | 991.0  | 991.1  | 991.3  | 992.3  |
| 172.5° | 1000.7 | 1000.0 | 999.2  | 998.5  | 997.8  | 997.4  | 997.5  | 997.5  | 997.5  | 997.6  | 998.7  |
| 175°   | 1009.3 | 1008.4 | 1007.5 | 1006.7 | 1005.8 | 1005.3 | 1005.1 | 1004.9 | 1004.8 | 1004.6 | 1005.8 |
| 177.5° | 1012.1 | 1011.4 | 1010.7 | 1010.0 | 1009.3 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.9 |
| 180°   | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 |



TEST NUMBER: P332911

CATALOG NUMBER: S124RDIP-S575D810U835-4F0-1E-UDD-F1

**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°  | 12.3   | 12.4   | 12.4   | 12.6   | 12.8   | 13.0   | 13.2   | 13.4   |
| 90°    | 19.3   | 20.3   | 21.4   | 22.1   | 22.4   | 22.8   | 23.1   | 23.5   |
| 92.5°  | 32.2   | 32.8   | 33.5   | 33.9   | 34.1   | 34.3   | 34.5   | 34.7   |
| 95°    | 60.5   | 61.0   | 61.5   | 61.8   | 61.8   | 61.8   | 61.8   | 61.8   |
| 97.5°  | 95.2   | 95.8   | 96.5   | 96.8   | 96.8   | 96.8   | 96.8   | 96.8   |
| 100°   | 120.3  | 120.7  | 121.0  | 121.2  | 121.2  | 121.2  | 121.2  | 121.2  |
| 102.5° | 146.9  | 147.3  | 147.8  | 148.1  | 148.3  | 148.4  | 148.6  | 148.7  |
| 105°   | 187.1  | 187.6  | 188.1  | 188.7  | 189.2  | 189.7  | 190.2  | 190.8  |
| 107.5° | 230.7  | 231.1  | 231.6  | 231.9  | 231.8  | 231.8  | 231.8  | 231.7  |
| 110°   | 259.6  | 259.3  | 258.9  | 259.0  | 259.6  | 260.1  | 260.6  | 261.1  |





TEST NUMBER: P332911

CATALOG NUMBER: S124RDIP-S575D810U835-4F0-1E-UDD-F1

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 290.8  | 290.8  | 290.7  | 290.7  | 290.8  | 290.9  | 291.0  | 291.1  |
| 115°   | 338.9  | 338.8  | 338.6  | 338.4  | 338.3  | 338.1  | 337.9  | 337.7  |
| 117.5° | 385.2  | 384.6  | 384.0  | 383.5  | 383.2  | 382.8  | 382.5  | 382.1  |
| 120°   | 416.5  | 415.6  | 414.8  | 414.5  | 414.9  | 415.2  | 415.6  | 415.9  |
| 122.5° | 448.3  | 447.8  | 447.2  | 446.6  | 445.9  | 445.3  | 444.7  | 444.1  |
| 125°   | 495.0  | 494.6  | 494.3  | 493.9  | 493.6  | 493.2  | 492.9  | 492.5  |
| 127.5° | 539.5  | 539.2  | 538.8  | 538.5  | 538.2  | 538.0  | 537.7  | 537.4  |
| 130°   | 570.8  | 570.4  | 570.1  | 569.6  | 568.9  | 568.2  | 567.5  | 566.8  |
| 132.5° | 600.2  | 599.8  | 599.5  | 599.2  | 598.9  | 598.6  | 598.3  | 598.1  |
| 135°   | 644.3  | 643.9  | 643.6  | 643.1  | 642.6  | 642.1  | 641.6  | 641.1  |
| 137.5° | 686.9  | 686.5  | 686.0  | 685.8  | 685.9  | 686.0  | 686.1  | 686.3  |
| 140°   | 715.0  | 714.8  | 714.6  | 714.5  | 714.3  | 714.1  | 713.9  | 713.8  |
| 142.5° | 741.5  | 741.5  | 741.5  | 741.4  | 741.4  | 741.4  | 741.3  | 741.3  |
| 145°   | 781.4  | 781.3  | 781.1  | 780.7  | 780.2  | 779.7  | 779.2  | 778.7  |
| 147.5° | 817.6  | 817.5  | 817.3  | 817.2  | 817.0  | 816.8  | 816.7  | 816.5  |
| 150°   | 840.4  | 840.4  | 840.4  | 840.3  | 840.2  | 840.0  | 839.8  | 839.6  |
| 152.5° | 861.9  | 862.3  | 862.7  | 862.7  | 862.3  | 861.8  | 861.4  | 860.9  |
| 155°   | 891.8  | 892.5  | 893.2  | 893.2  | 892.5  | 891.8  | 891.1  | 890.5  |
| 157.5° | 918.2  | 918.8  | 919.3  | 919.2  | 918.7  | 918.1  | 917.5  | 916.9  |
| 160°   | 934.5  | 935.0  | 935.5  | 935.4  | 934.5  | 933.6  | 932.8  | 931.9  |
| 162.5° | 949.1  | 950.0  | 951.0  | 951.0  | 950.1  | 949.3  | 948.4  | 947.5  |
| 165°   | 968.4  | 969.4  | 970.5  | 970.6  | 969.9  | 969.2  | 968.5  | 967.9  |
| 167.5° | 984.6  | 985.7  | 986.7  | 986.7  | 985.6  | 984.5  | 983.5  | 982.4  |
| 170°   | 993.4  | 994.4  | 995.5  | 995.4  | 994.2  | 993.0  | 991.7  | 990.5  |
| 172.5° | 999.9  | 1001.1 | 1002.3 | 1002.3 | 1001.1 | 999.8  | 998.6  | 997.4  |
| 175°   | 1007.0 | 1008.2 | 1009.5 | 1009.5 | 1008.2 | 1007.0 | 1005.8 | 1004.6 |
| 177.5° | 1010.9 | 1011.9 | 1012.9 | 1012.8 | 1011.7 | 1010.6 | 1009.5 | 1008.3 |
| 180°   | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 | 1010.8 |

(END OF REPORT)