

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: P333756

Luminaire Tested: **S122DS-S485D927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333756  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122DS-S485D927-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT LED LUMINAIRE, ASYMMETRIC DIFFUSER  
PENDANT/SURFACE/WALL MOUNT, 485 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1632.7 lumens  
Efficiency: N/A  
Efficacy: 86.8 lumens/watt  
Spacing Criteria (0/90/45): 1.09 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Direct

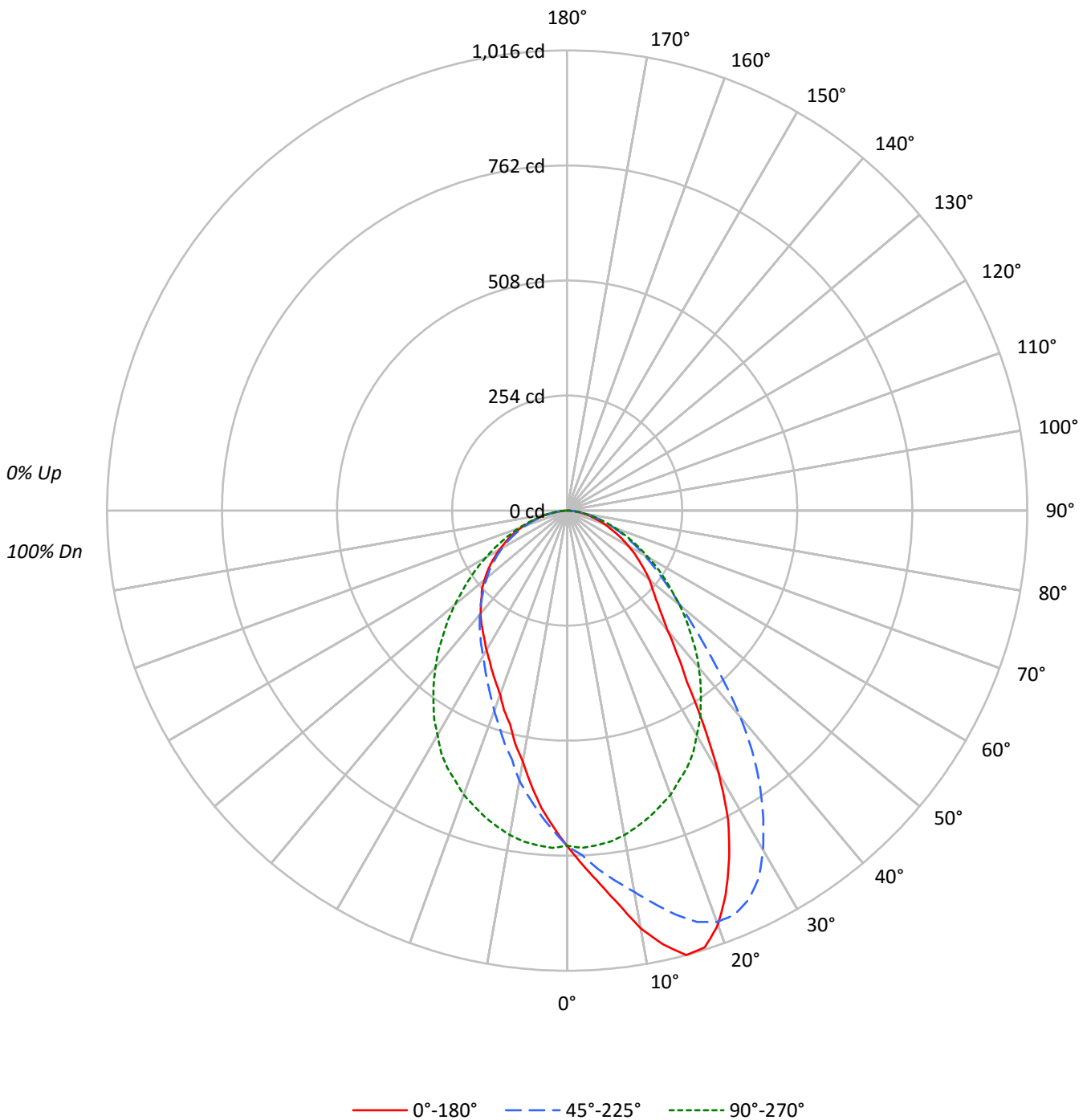
Input Watts (W): 18.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333756

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### Luminous Intensity Polar Plot





TEST NUMBER: P333756

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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   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 110 | 106 | 102 | 98  | 107 | 103 | 100 | 97  | 99  | 96  | 94  | 95  | 93  | 91  | 92  | 90  | 88  | 86  |
| 2   | 101 | 94  | 87  | 82  | 98  | 92  | 86  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 82  | 79  | 76  | 74  |
| 3   | 93  | 83  | 76  | 70  | 90  | 82  | 75  | 69  | 79  | 73  | 68  | 76  | 71  | 67  | 74  | 69  | 66  | 64  |
| 4   | 86  | 75  | 66  | 60  | 83  | 73  | 66  | 60  | 71  | 64  | 59  | 69  | 63  | 58  | 66  | 62  | 58  | 55  |
| 5   | 79  | 67  | 59  | 53  | 77  | 66  | 58  | 52  | 64  | 57  | 52  | 62  | 56  | 51  | 60  | 55  | 51  | 49  |
| 6   | 74  | 61  | 53  | 47  | 72  | 60  | 52  | 46  | 58  | 51  | 46  | 57  | 51  | 46  | 55  | 50  | 45  | 43  |
| 7   | 69  | 56  | 48  | 42  | 67  | 55  | 47  | 42  | 54  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 39  |
| 8   | 64  | 51  | 43  | 38  | 63  | 51  | 43  | 38  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 35  |
| 9   | 60  | 47  | 39  | 34  | 59  | 47  | 39  | 34  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 34  | 32  |
| 10  | 56  | 44  | 36  | 31  | 55  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 41  | 35  | 31  | 29  |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 11950 | 11950 | 11950 |
| 5°  | 13397 | 12028 | 10658 |
| 10° | 15352 | 11929 | 9224  |
| 15° | 16983 | 11711 | 8149  |
| 20° | 16723 | 11476 | 7428  |
| 25° | 15080 | 11163 | 6973  |
| 30° | 12461 | 10664 | 6639  |
| 35° | 9083  | 10141 | 6402  |
| 40° | 7255  | 9527  | 6270  |
| 45° | 6339  | 8814  | 6092  |
| 50° | 5958  | 8123  | 5973  |
| 55° | 5492  | 7423  | 5813  |
| 60° | 5034  | 6678  | 5567  |
| 65° | 4585  | 6010  | 5326  |
| 70° | 4164  | 5358  | 4966  |
| 75° | 3693  | 4629  | 4398  |
| 80° | 3171  | 3831  | 3543  |
| 85° | 2853  | 2853  | 2112  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 70.5   | 4.3       |
| 10°-20°   | 205.2  | 12.6      |
| 20°-30°   | 297.8  | 18.2      |
| 30°-40°   | 313.9  | 19.2      |
| 40°-50°   | 277.7  | 17.0      |
| 50°-60°   | 221.7  | 13.6      |
| 60°-70°   | 150.6  | 9.2       |
| 70°-80°   | 77.1   | 4.7       |
| 80°-90°   | 18.2   | 1.1       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 573.4  | 35.1      |
| 0°-40°    | 887.4  | 54.3      |
| 0°-60°    | 1386.8 | 84.9      |
| 0°-90°    | 1632.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1632.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 740  | 740 | 740 | 740  | 740  |      |
| 5°  | 827  | 796 | 742 | 674  | 658  | 82   |
| 15° | 1016 | 923 | 701 | 533  | 488  | 282  |
| 25° | 846  | 948 | 627 | 417  | 391  | 384  |
| 35° | 461  | 742 | 514 | 334  | 325  | 298  |
| 45° | 278  | 440 | 386 | 264  | 267  | 218  |
| 55° | 195  | 253 | 264 | 199  | 206  | 175  |
| 65° | 120  | 150 | 157 | 131  | 139  | 119  |
| 75° | 59   | 72  | 74  | 67   | 70   | 63   |
| 85° | 15   | 17  | 15  | 13   | 11   | 18   |
| 90° | 0    | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P333756

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°   | 40°   | 45°   | 50°   |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0°    | 740.1  | 740.1  | 740.1  | 740.1  | 740.1  | 740.1  | 740.1  | 740.1 | 740.1 | 740.1 | 740.1 |
| 2.5°  | 782.8  | 783.1  | 783.6  | 779.1  | 778.5  | 778.5  | 774.5  | 771.1 | 767.1 | 761.7 | 762.3 |
| 5°    | 826.6  | 829.7  | 830.8  | 827.4  | 822.3  | 821.7  | 816.9  | 808.9 | 801.5 | 795.6 | 791.3 |
| 7.5°  | 877.2  | 878.3  | 876.1  | 872.1  | 868.7  | 862.1  | 854.2  | 846.5 | 835.1 | 824.9 | 817.5 |
| 10°   | 936.4  | 938.1  | 933.2  | 926.7  | 921.3  | 913.3  | 900.2  | 886.9 | 870.7 | 855.0 | 842.5 |
| 12.5° | 981.3  | 986.1  | 979.6  | 980.2  | 969.9  | 958.3  | 942.1  | 936.9 | 912.5 | 889.1 | 875.5 |
| 15°   | 1016.0 | 1015.7 | 1016.3 | 1010.9 | 1004.1 | 1002.4 | 985.9  | 967.9 | 935.8 | 923.0 | 900.8 |
| 17.5° | 1010.9 | 1014.9 | 1017.1 | 1015.4 | 1014.3 | 1011.7 | 1004.6 | 991.3 | 973.6 | 952.0 | 925.6 |
| 20°   | 973.3  | 979.0  | 979.9  | 986.4  | 990.1  | 995.0  | 996.9  | 993.8 | 983.9 | 966.5 | 944.3 |
| 22.5° | 915.3  | 915.9  | 919.0  | 930.1  | 939.2  | 953.1  | 960.5  | 974.5 | 972.2 | 965.9 | 948.3 |
| 25°   | 846.5  | 843.6  | 853.6  | 858.7  | 877.2  | 896.5  | 910.5  | 925.8 | 939.5 | 947.7 | 942.3 |
| 27.5° | 770.3  | 764.3  | 779.4  | 792.7  | 805.8  | 824.6  | 845.6  | 870.7 | 889.7 | 915.6 | 921.9 |
| 30°   | 668.4  | 671.0  | 685.2  | 699.7  | 722.5  | 752.0  | 776.5  | 804.7 | 835.1 | 865.0 | 885.7 |
| 32.5° | 558.6  | 570.3  | 578.0  | 602.2  | 621.5  | 655.3  | 694.0  | 731.0 | 770.8 | 805.8 | 840.8 |
| 35°   | 460.8  | 472.2  | 484.7  | 500.9  | 529.1  | 561.8  | 596.7  | 644.2 | 696.0 | 742.4 | 780.5 |
| 37.5° | 398.8  | 396.8  | 404.5  | 416.4  | 440.6  | 468.8  | 510.3  | 558.6 | 620.6 | 672.1 | 723.3 |
| 40°   | 344.2  | 343.0  | 348.1  | 359.0  | 376.3  | 395.7  | 430.9  | 472.2 | 528.8 | 595.3 | 659.3 |
| 42.5° | 306.6  | 307.8  | 310.0  | 316.9  | 327.4  | 342.5  | 366.6  | 400.2 | 450.8 | 512.6 | 582.5 |
| 45°   | 277.6  | 279.6  | 282.7  | 286.4  | 293.3  | 306.3  | 321.1  | 346.2 | 387.1 | 439.5 | 507.1 |
| 47.5° | 254.9  | 255.4  | 258.8  | 262.2  | 266.2  | 274.2  | 287.3  | 303.2 | 334.5 | 379.2 | 439.7 |
| 50°   | 237.2  | 235.2  | 237.5  | 240.1  | 244.3  | 249.5  | 257.4  | 272.2 | 291.5 | 326.0 | 374.6 |
| 52.5° | 215.6  | 216.2  | 218.2  | 218.7  | 222.4  | 227.5  | 234.7  | 243.8 | 260.8 | 285.9 | 323.7 |
| 55°   | 195.1  | 196.5  | 197.7  | 199.4  | 202.8  | 206.5  | 212.2  | 219.0 | 232.7 | 252.9 | 282.4 |
| 57.5° | 175.8  | 176.4  | 177.2  | 180.9  | 182.9  | 186.3  | 192.0  | 198.3 | 207.4 | 223.0 | 246.3 |
| 60°   | 155.9  | 155.9  | 158.1  | 159.6  | 162.4  | 165.8  | 170.1  | 176.1 | 184.0 | 196.3 | 214.2 |
| 62.5° | 137.7  | 137.4  | 138.0  | 140.5  | 142.5  | 145.6  | 149.9  | 154.7 | 162.1 | 172.7 | 186.6 |
| 65°   | 120.0  | 119.5  | 121.2  | 121.7  | 124.0  | 127.1  | 130.6  | 136.0 | 141.9 | 149.9 | 163.0 |
| 67.5° | 102.4  | 103.3  | 104.4  | 105.5  | 106.7  | 110.4  | 112.6  | 116.6 | 121.7 | 128.6 | 137.7 |
| 70°   | 88.2   | 88.2   | 88.2   | 89.0   | 90.7   | 92.4   | 94.7   | 97.8  | 102.7 | 108.4 | 116.3 |
| 72.5° | 72.2   | 73.4   | 74.5   | 73.7   | 75.9   | 76.8   | 79.6   | 81.1  | 85.6  | 88.7  | 95.6  |
| 75°   | 59.2   | 59.2   | 59.2   | 60.6   | 61.4   | 62.3   | 64.0   | 65.7  | 68.0  | 72.5  | 76.2  |
| 77.5° | 46.6   | 46.4   | 46.6   | 46.9   | 48.1   | 49.2   | 49.8   | 51.2  | 53.5  | 55.7  | 59.2  |
| 80°   | 34.1   | 34.7   | 35.0   | 35.6   | 35.6   | 36.1   | 36.4   | 38.4  | 39.8  | 41.2  | 43.2  |
| 82.5° | 24.5   | 24.5   | 24.5   | 24.5   | 24.7   | 25.0   | 25.9   | 26.2  | 26.5  | 27.6  | 29.0  |
| 85°   | 15.4   | 15.1   | 15.1   | 15.6   | 15.4   | 15.4   | 15.9   | 16.5  | 16.5  | 16.8  | 17.6  |
| 87.5° | 7.4    | 7.4    | 7.7    | 7.4    | 7.4    | 7.7    | 7.7    | 7.4   | 7.7   | 8.0   | 8.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   |



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**CANDELA DISTRIBUTION (continued):**

|       | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 740.1 | 740.1 | 740.1 | 740.1 | 740.1 | 740.1 | 740.1 | 740.1 | 740.1 | 740.1 | 740.1 |
| 2.5°  | 764.3 | 762.0 | 760.6 | 755.5 | 750.9 | 746.4 | 744.9 | 745.5 | 739.2 | 733.3 | 730.7 |
| 5°    | 789.0 | 783.3 | 777.9 | 770.3 | 761.1 | 751.2 | 746.1 | 742.1 | 732.1 | 721.3 | 715.1 |
| 7.5°  | 811.5 | 804.1 | 794.4 | 780.8 | 768.3 | 753.5 | 744.4 | 736.7 | 722.8 | 708.2 | 699.4 |
| 10°   | 831.7 | 820.6 | 807.2 | 789.6 | 773.4 | 754.3 | 741.0 | 727.6 | 710.5 | 692.3 | 680.9 |
| 12.5° | 849.0 | 833.1 | 820.0 | 796.1 | 776.2 | 751.2 | 734.7 | 714.5 | 696.3 | 673.8 | 662.7 |
| 15°   | 878.6 | 851.0 | 826.0 | 800.4 | 776.8 | 743.5 | 725.9 | 700.6 | 677.0 | 650.2 | 637.4 |
| 17.5° | 900.5 | 870.7 | 832.0 | 801.0 | 774.8 | 739.2 | 713.9 | 683.8 | 657.0 | 627.5 | 610.4 |
| 20°   | 918.7 | 883.2 | 840.8 | 802.1 | 769.1 | 727.0 | 698.9 | 667.9 | 635.1 | 600.7 | 582.0 |
| 22.5° | 929.5 | 891.7 | 849.9 | 797.8 | 757.7 | 717.1 | 679.8 | 645.1 | 611.8 | 574.0 | 554.1 |
| 25°   | 930.1 | 896.0 | 851.6 | 795.9 | 748.6 | 702.3 | 659.6 | 626.6 | 586.5 | 551.8 | 523.1 |
| 27.5° | 920.7 | 893.7 | 850.7 | 791.9 | 738.1 | 684.9 | 638.6 | 602.4 | 560.1 | 522.5 | 493.8 |
| 30°   | 900.0 | 885.7 | 844.2 | 785.0 | 725.0 | 666.7 | 614.4 | 572.0 | 529.9 | 491.8 | 462.2 |
| 32.5° | 867.8 | 867.5 | 832.3 | 775.4 | 711.1 | 643.7 | 589.1 | 546.1 | 498.3 | 461.1 | 433.2 |
| 35°   | 823.7 | 837.4 | 814.3 | 760.0 | 692.9 | 622.1 | 563.5 | 514.5 | 466.2 | 430.4 | 403.9 |
| 37.5° | 767.7 | 799.3 | 790.2 | 739.5 | 669.6 | 599.0 | 535.3 | 484.1 | 437.7 | 400.8 | 374.9 |
| 40°   | 709.4 | 752.6 | 758.9 | 715.4 | 644.5 | 571.4 | 502.9 | 452.0 | 407.0 | 374.0 | 347.9 |
| 42.5° | 646.8 | 699.1 | 719.1 | 686.3 | 617.2 | 542.4 | 473.9 | 420.7 | 376.3 | 344.5 | 322.0 |
| 45°   | 575.4 | 642.3 | 673.3 | 653.3 | 586.2 | 510.0 | 439.5 | 386.0 | 345.6 | 315.4 | 297.5 |
| 47.5° | 510.8 | 583.4 | 622.9 | 613.5 | 552.9 | 477.3 | 407.6 | 355.5 | 315.4 | 291.0 | 274.2 |
| 50°   | 441.4 | 516.5 | 566.9 | 569.2 | 516.5 | 441.7 | 371.8 | 323.4 | 287.3 | 264.8 | 251.7 |
| 52.5° | 381.1 | 452.0 | 508.0 | 522.5 | 475.9 | 404.8 | 339.6 | 291.5 | 260.8 | 240.6 | 229.3 |
| 55°   | 330.2 | 390.8 | 451.7 | 473.9 | 435.5 | 367.2 | 306.1 | 263.7 | 233.8 | 219.6 | 209.3 |
| 57.5° | 281.9 | 335.1 | 392.8 | 416.1 | 391.7 | 331.7 | 272.5 | 235.2 | 209.9 | 197.1 | 189.1 |
| 60°   | 245.2 | 285.0 | 335.1 | 364.4 | 343.9 | 291.8 | 241.8 | 206.8 | 186.9 | 175.8 | 168.4 |
| 62.5° | 211.1 | 245.2 | 285.6 | 311.7 | 302.9 | 254.6 | 211.1 | 181.2 | 164.7 | 154.4 | 149.6 |
| 65°   | 179.8 | 207.6 | 240.3 | 265.1 | 257.7 | 220.4 | 183.7 | 157.3 | 143.6 | 135.4 | 131.1 |
| 67.5° | 153.0 | 174.4 | 197.7 | 220.4 | 214.2 | 186.6 | 155.6 | 134.3 | 123.7 | 116.3 | 113.8 |
| 70°   | 128.0 | 143.4 | 163.6 | 180.9 | 176.1 | 154.4 | 131.1 | 113.5 | 104.7 | 98.7  | 96.1  |
| 72.5° | 104.1 | 116.0 | 130.3 | 143.6 | 140.8 | 123.7 | 105.2 | 93.0  | 86.8  | 81.3  | 79.4  |
| 75°   | 82.2  | 91.9  | 101.3 | 110.6 | 109.8 | 95.9  | 84.5  | 74.2  | 68.8  | 64.6  | 63.7  |
| 77.5° | 64.3  | 70.3  | 77.1  | 83.1  | 81.6  | 72.5  | 63.1  | 56.9  | 52.6  | 49.8  | 49.5  |
| 80°   | 46.4  | 49.5  | 54.0  | 58.0  | 56.0  | 52.6  | 45.5  | 41.2  | 38.4  | 35.6  | 34.4  |
| 82.5° | 30.4  | 33.6  | 35.8  | 37.5  | 36.1  | 33.0  | 29.3  | 26.7  | 25.3  | 23.6  | 23.3  |
| 85°   | 17.6  | 19.3  | 20.5  | 21.0  | 20.5  | 18.5  | 16.5  | 15.4  | 13.9  | 13.1  | 12.8  |
| 87.5° | 8.5   | 8.5   | 8.5   | 9.1   | 8.2   | 8.2   | 7.1   | 6.3   | 6.0   | 5.7   | 5.1   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



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**CANDELA DISTRIBUTION (continued):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 740.1 | 740.1 | 740.1 | 740.1 | 740.1 | 740.1 | 740.1 | 740.1 | 740.1 | 740.1 | 740.1 |
| 2.5°  | 727.9 | 726.2 | 720.2 | 717.1 | 711.9 | 707.1 | 704.0 | 705.4 | 706.5 | 706.0 | 705.1 |
| 5°    | 709.4 | 704.0 | 695.7 | 688.6 | 683.5 | 674.1 | 670.1 | 668.1 | 666.4 | 664.4 | 662.5 |
| 7.5°  | 688.9 | 681.2 | 669.6 | 660.5 | 651.4 | 639.4 | 633.4 | 630.0 | 626.3 | 622.1 | 618.1 |
| 10°   | 666.7 | 654.8 | 642.3 | 628.0 | 616.7 | 606.1 | 596.7 | 590.5 | 584.8 | 579.4 | 575.4 |
| 12.5° | 643.4 | 629.2 | 613.0 | 592.2 | 579.4 | 563.2 | 563.8 | 551.5 | 541.9 | 539.0 | 534.2 |
| 15°   | 618.4 | 599.0 | 579.4 | 556.4 | 546.4 | 532.7 | 524.2 | 515.7 | 508.0 | 502.6 | 501.2 |
| 17.5° | 591.1 | 565.2 | 546.1 | 529.1 | 512.8 | 498.9 | 491.5 | 484.7 | 478.1 | 470.2 | 469.9 |
| 20°   | 558.9 | 537.3 | 516.0 | 501.5 | 484.7 | 470.5 | 460.8 | 454.0 | 448.6 | 444.3 | 440.6 |
| 22.5° | 528.5 | 504.3 | 485.2 | 469.0 | 452.5 | 441.7 | 434.6 | 428.1 | 423.8 | 419.0 | 415.6 |
| 25°   | 495.5 | 477.0 | 455.7 | 437.7 | 424.1 | 416.7 | 410.4 | 404.8 | 401.9 | 398.8 | 394.8 |
| 27.5° | 467.3 | 446.8 | 425.8 | 411.9 | 399.3 | 392.8 | 388.0 | 383.7 | 381.1 | 379.2 | 376.6 |
| 30°   | 437.2 | 416.4 | 400.8 | 387.1 | 377.2 | 370.6 | 367.8 | 365.5 | 362.4 | 361.2 | 360.1 |
| 32.5° | 408.2 | 390.0 | 377.2 | 365.8 | 356.4 | 352.7 | 350.1 | 348.1 | 345.9 | 344.7 | 342.2 |
| 35°   | 381.1 | 365.5 | 352.4 | 345.9 | 338.2 | 334.5 | 332.5 | 329.7 | 327.4 | 326.2 | 326.0 |
| 37.5° | 355.3 | 341.0 | 332.2 | 323.4 | 319.7 | 317.7 | 314.9 | 312.9 | 312.0 | 311.7 | 311.5 |
| 40°   | 330.2 | 319.1 | 311.5 | 304.6 | 303.2 | 299.8 | 297.5 | 295.8 | 295.8 | 296.1 | 295.8 |
| 42.5° | 307.5 | 297.8 | 291.3 | 285.6 | 283.9 | 282.2 | 279.9 | 280.2 | 280.7 | 281.9 | 280.7 |
| 45°   | 284.4 | 277.3 | 272.5 | 269.6 | 266.5 | 264.5 | 264.2 | 265.1 | 265.4 | 265.7 | 266.5 |
| 47.5° | 262.8 | 258.3 | 253.7 | 250.3 | 248.9 | 248.6 | 248.0 | 249.5 | 250.9 | 251.2 | 252.6 |
| 50°   | 244.0 | 238.6 | 234.9 | 233.0 | 231.8 | 231.2 | 231.8 | 233.5 | 234.7 | 236.1 | 236.9 |
| 52.5° | 223.0 | 219.6 | 217.3 | 215.9 | 215.6 | 216.2 | 216.2 | 218.2 | 220.2 | 220.4 | 220.7 |
| 55°   | 203.9 | 201.1 | 200.5 | 198.0 | 199.1 | 198.8 | 200.2 | 201.4 | 203.1 | 204.8 | 205.1 |
| 57.5° | 184.6 | 182.0 | 180.3 | 180.6 | 180.9 | 182.0 | 183.2 | 185.2 | 187.2 | 189.1 | 189.1 |
| 60°   | 165.3 | 164.1 | 163.3 | 163.3 | 163.8 | 165.5 | 167.0 | 169.0 | 170.1 | 171.2 | 172.1 |
| 62.5° | 147.6 | 146.5 | 145.6 | 146.2 | 147.9 | 148.8 | 150.5 | 151.3 | 152.5 | 153.6 | 153.9 |
| 65°   | 128.8 | 128.3 | 129.1 | 129.7 | 130.0 | 131.4 | 133.4 | 134.3 | 135.4 | 136.0 | 138.0 |
| 67.5° | 111.8 | 111.8 | 111.5 | 112.4 | 114.1 | 114.3 | 116.3 | 118.6 | 118.6 | 119.7 | 121.2 |
| 70°   | 94.4  | 95.0  | 95.6  | 96.1  | 97.6  | 98.1  | 99.6  | 100.4 | 101.5 | 102.4 | 103.3 |
| 72.5° | 78.5  | 78.5  | 79.1  | 78.8  | 79.9  | 81.3  | 82.5  | 83.3  | 84.5  | 85.6  | 86.5  |
| 75°   | 62.9  | 62.9  | 63.4  | 63.7  | 65.1  | 66.6  | 66.3  | 66.8  | 68.0  | 69.1  | 69.7  |
| 77.5° | 48.6  | 48.1  | 48.6  | 48.9  | 49.5  | 50.6  | 50.9  | 51.8  | 53.2  | 52.9  | 53.5  |
| 80°   | 35.0  | 34.1  | 35.0  | 35.3  | 35.3  | 36.7  | 36.7  | 37.3  | 38.1  | 37.3  | 38.1  |
| 82.5° | 22.5  | 22.2  | 22.8  | 22.8  | 23.3  | 23.0  | 23.6  | 23.6  | 24.5  | 24.2  | 24.5  |
| 85°   | 12.5  | 12.2  | 12.5  | 12.2  | 12.5  | 12.8  | 12.8  | 12.5  | 12.5  | 13.1  | 12.2  |
| 87.5° | 4.8   | 4.6   | 4.3   | 4.3   | 4.0   | 3.7   | 3.4   | 3.4   | 3.4   | 2.8   | 2.8   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |





TEST NUMBER: P333756

CATALOG NUMBER: S122DS-S485D927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 0°    | 740.1 | 740.1 | 740.1 | 740.1 |
| 2.5°  | 702.3 | 701.7 | 701.7 | 699.1 |
| 5°    | 658.5 | 657.6 | 656.2 | 657.6 |
| 7.5°  | 616.9 | 613.2 | 612.7 | 609.8 |
| 10°   | 570.6 | 568.3 | 568.0 | 562.6 |
| 12.5° | 535.3 | 529.1 | 530.5 | 527.9 |
| 15°   | 493.5 | 493.5 | 492.4 | 487.5 |
| 17.5° | 463.6 | 463.3 | 460.8 | 462.5 |
| 20°   | 437.5 | 435.8 | 432.3 | 432.3 |
| 22.5° | 412.7 | 413.0 | 409.3 | 410.7 |
| 25°   | 394.5 | 392.2 | 390.5 | 391.4 |
| 27.5° | 375.7 | 374.9 | 374.6 | 372.0 |
| 30°   | 359.8 | 357.0 | 357.5 | 356.1 |
| 32.5° | 341.6 | 341.0 | 340.2 | 339.0 |
| 35°   | 325.4 | 325.7 | 324.3 | 324.8 |
| 37.5° | 310.9 | 312.0 | 311.2 | 311.2 |
| 40°   | 296.7 | 296.7 | 296.7 | 297.5 |
| 42.5° | 283.0 | 282.4 | 281.9 | 281.6 |
| 45°   | 267.1 | 267.9 | 268.2 | 266.8 |
| 47.5° | 253.1 | 253.4 | 253.1 | 254.9 |
| 50°   | 238.4 | 237.8 | 238.4 | 237.8 |
| 52.5° | 222.7 | 223.0 | 222.4 | 222.4 |
| 55°   | 206.2 | 206.8 | 206.5 | 206.5 |
| 57.5° | 189.4 | 189.7 | 190.3 | 188.9 |
| 60°   | 171.8 | 173.2 | 172.9 | 172.4 |
| 62.5° | 155.6 | 155.9 | 155.9 | 155.9 |
| 65°   | 138.8 | 139.4 | 138.5 | 139.4 |
| 67.5° | 120.6 | 120.9 | 121.5 | 121.7 |
| 70°   | 103.8 | 103.5 | 104.4 | 105.2 |
| 72.5° | 86.2  | 87.0  | 86.5  | 87.0  |
| 75°   | 69.1  | 70.0  | 69.7  | 70.5  |
| 77.5° | 52.9  | 53.2  | 53.2  | 53.5  |
| 80°   | 38.1  | 37.5  | 37.0  | 38.1  |
| 82.5° | 23.6  | 24.2  | 23.6  | 23.3  |
| 85°   | 12.2  | 11.9  | 11.4  | 11.4  |
| 87.5° | 2.8   | 2.6   | 2.6   | 2.3   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)