

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: P243248

Luminaire Tested: **S122RDR-H485D927-X4F0-XX-UDD-A-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P243248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-68)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDR-H485D927-X4F0-XX-UDD-A-W
Description: DEFINE 2 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1360.1 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 1.17 / 0.99
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')
CIE Type: Direct

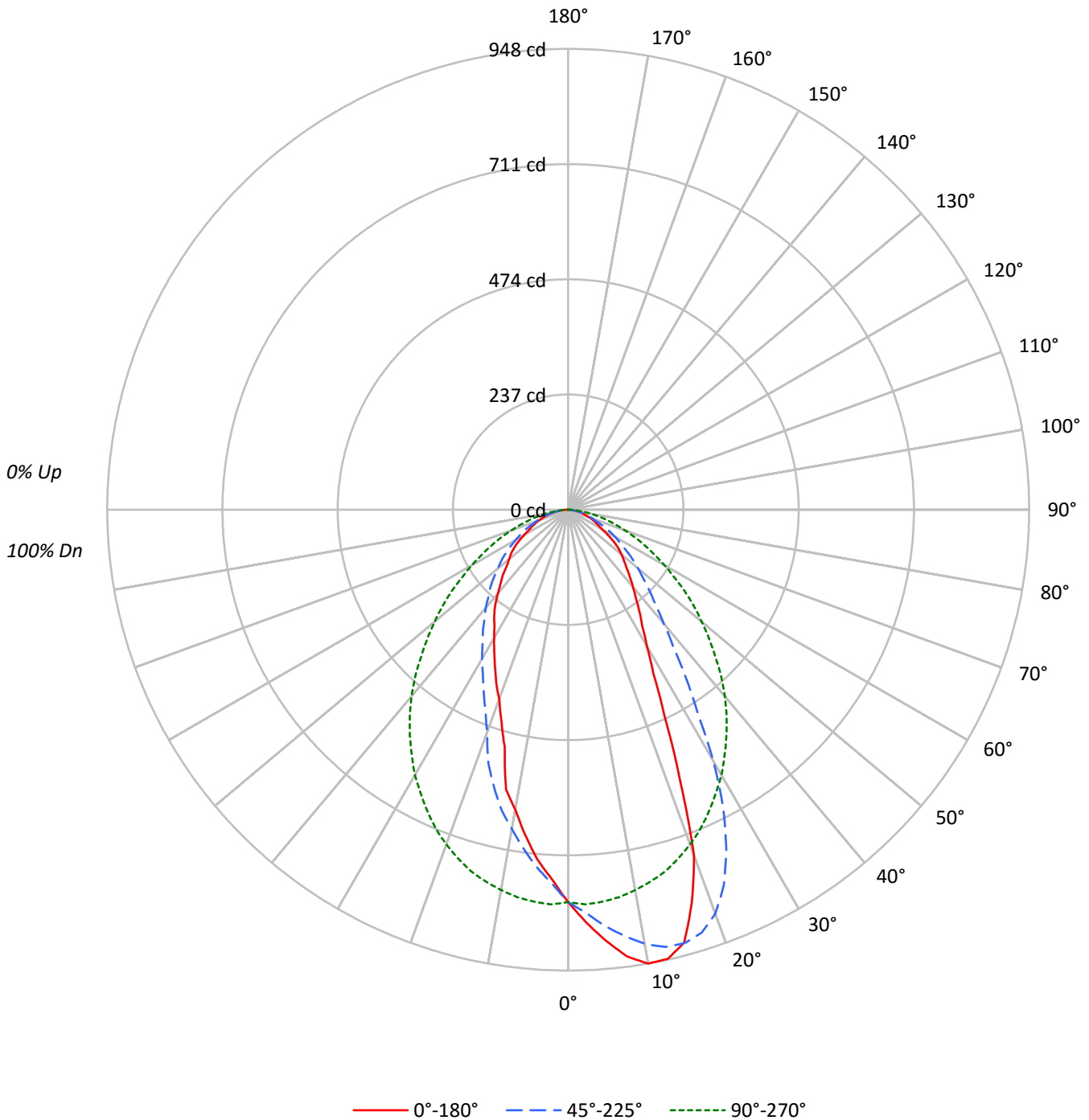
Input Watts (W): 17.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P243248

CATALOG NUMBER: S122RDR-H485D927-X4F0-XX-UDD-A-W

Luminous Intensity Polar Plot





TEST NUMBER: P243248

CATALOG NUMBER: S122RDR-H485D927-X4F0-XX-UDD-A-W

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 | 103 | 100 | 108 | 104 | 101 | 98 | 100 | 97 | 95 | 96 | 94 | 92 | 93 | 91 | 89 | 87 |
| 2 | 102 | 95 | 89 | 84 | 100 | 93 | 88 | 83 | 90 | 85 | 81 | 86 | 83 | 79 | 84 | 80 | 78 | 76 |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 70 | 78 | 73 | 69 | 76 | 72 | 68 | 66 |
| 4 | 87 | 77 | 69 | 63 | 85 | 76 | 68 | 63 | 73 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 60 | 58 |
| 5 | 81 | 70 | 62 | 56 | 79 | 69 | 61 | 56 | 67 | 60 | 55 | 65 | 59 | 54 | 63 | 58 | 54 | 52 |
| 6 | 76 | 64 | 56 | 50 | 74 | 63 | 55 | 50 | 61 | 54 | 49 | 60 | 54 | 49 | 58 | 53 | 49 | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 44 | 54 | 48 | 44 | 42 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 45 | 41 | 51 | 45 | 40 | 50 | 44 | 40 | 38 |
| 9 | 62 | 50 | 43 | 38 | 61 | 50 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 |
| 10 | 59 | 47 | 39 | 35 | 58 | 46 | 39 | 35 | 45 | 39 | 34 | 44 | 38 | 34 | 44 | 38 | 34 | 33 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 15372 | 15372 | 15372 |
| 5° | 17015 | 15476 | 13815 |
| 10° | 18336 | 15369 | 12116 |
| 15° | 18174 | 15190 | 9956 |
| 20° | 15330 | 14854 | 8404 |
| 25° | 9857 | 14397 | 7482 |
| 30° | 7122 | 13863 | 6702 |
| 35° | 5932 | 13196 | 6164 |
| 40° | 5147 | 12462 | 5582 |
| 45° | 4596 | 11532 | 5107 |
| 50° | 4240 | 10620 | 4694 |
| 55° | 3806 | 9700 | 4473 |
| 60° | 3040 | 8731 | 4023 |
| 65° | 2785 | 7842 | 3714 |
| 70° | 2556 | 6928 | 3531 |
| 75° | 2333 | 6064 | 3341 |
| 80° | 2029 | 5035 | 3126 |
| 85° | 1617 | 4043 | 2885 |



TEST NUMBER: P243248

CATALOG NUMBER: S122RDR-H485D927-X4F0-XX-UDD-A-W

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 76.4 | 5.6 |
| 10°-20° | 209.0 | 15.4 |
| 20°-30° | 263.5 | 19.4 |
| 30°-40° | 252.9 | 18.6 |
| 40°-50° | 217.8 | 16.0 |
| 50°-60° | 166.6 | 12.2 |
| 60°-70° | 106.0 | 7.8 |
| 70°-80° | 53.7 | 3.9 |
| 80°-90° | 14.2 | 1.0 |
| 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° | 548.9 | 40.4 |
| 0°-40° | 801.8 | 59.0 |
| 0°-60° | 1186.2 | 87.2 |
| 0°-90° | 1360.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1360.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 807 | 807 | 807 | 807 | 807 | |
| 5° | 890 | 859 | 809 | 739 | 722 | 87 |
| 15° | 922 | 924 | 770 | 590 | 505 | 250 |
| 25° | 469 | 770 | 685 | 411 | 356 | 224 |
| 35° | 255 | 422 | 568 | 306 | 265 | 161 |
| 45° | 171 | 237 | 428 | 227 | 190 | 133 |
| 55° | 115 | 144 | 292 | 157 | 135 | 101 |
| 65° | 62 | 80 | 174 | 97 | 82 | 62 |
| 75° | 32 | 36 | 82 | 50 | 45 | 34 |
| 85° | 7 | 9 | 18 | 14 | 13 | 9 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P243248

CATALOG NUMBER: S122RDR-H485D927-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 |
| 2.5° | 849.8 | 850.9 | 851.4 | 850.1 | 847.2 | 847.4 | 844.8 | 840.3 | 834.7 | 829.7 | 832.6 |
| 5° | 889.9 | 891.3 | 891.0 | 888.6 | 885.7 | 883.1 | 878.6 | 872.2 | 865.6 | 858.8 | 857.5 |
| 7.5° | 926.9 | 929.8 | 929.0 | 924.5 | 922.4 | 918.7 | 911.1 | 903.9 | 893.9 | 884.1 | 880.2 |
| 10° | 948.0 | 950.4 | 949.1 | 948.0 | 945.7 | 942.0 | 935.1 | 928.2 | 917.1 | 906.8 | 901.0 |
| 12.5° | 946.4 | 948.6 | 949.6 | 950.7 | 949.9 | 948.6 | 945.7 | 939.8 | 930.9 | 921.4 | 914.0 |
| 15° | 921.6 | 918.2 | 915.8 | 922.4 | 924.8 | 933.8 | 935.9 | 936.7 | 930.6 | 923.5 | 921.6 |
| 17.5° | 846.1 | 847.2 | 865.4 | 862.5 | 866.4 | 888.4 | 897.1 | 908.9 | 914.0 | 912.4 | 915.6 |
| 20° | 756.3 | 743.9 | 752.9 | 766.1 | 778.5 | 810.4 | 831.6 | 850.3 | 872.0 | 884.1 | 895.7 |
| 22.5° | 600.0 | 600.2 | 621.9 | 643.6 | 671.5 | 706.1 | 738.4 | 774.3 | 812.8 | 836.3 | 863.5 |
| 25° | 469.0 | 481.7 | 491.2 | 500.7 | 541.4 | 574.6 | 628.2 | 671.8 | 724.9 | 769.5 | 815.2 |
| 27.5° | 379.2 | 392.4 | 394.0 | 415.4 | 439.4 | 466.4 | 501.5 | 570.1 | 624.5 | 690.0 | 746.5 |
| 30° | 323.8 | 326.4 | 331.9 | 337.5 | 355.2 | 380.3 | 418.0 | 461.1 | 521.6 | 596.3 | 672.1 |
| 32.5° | 283.6 | 283.1 | 288.6 | 297.3 | 307.1 | 324.0 | 345.4 | 381.1 | 435.7 | 495.1 | 583.6 |
| 35° | 255.1 | 254.3 | 258.3 | 261.4 | 267.2 | 281.0 | 300.3 | 323.8 | 363.1 | 422.3 | 490.9 |
| 37.5° | 228.2 | 229.7 | 232.1 | 235.6 | 243.2 | 251.9 | 264.9 | 284.4 | 315.6 | 354.7 | 420.4 |
| 40° | 207.0 | 208.9 | 211.5 | 213.9 | 219.7 | 226.8 | 235.6 | 251.1 | 272.0 | 306.1 | 356.5 |
| 42.5° | 188.0 | 188.8 | 190.9 | 194.4 | 198.6 | 204.9 | 213.4 | 225.3 | 242.7 | 266.5 | 310.6 |
| 45° | 170.6 | 170.6 | 173.0 | 176.1 | 178.8 | 184.9 | 191.5 | 202.8 | 216.3 | 236.6 | 268.0 |
| 47.5° | 155.8 | 156.1 | 157.4 | 157.9 | 160.8 | 166.4 | 173.5 | 182.5 | 193.6 | 209.1 | 238.5 |
| 50° | 143.1 | 144.2 | 144.7 | 145.5 | 146.6 | 149.5 | 154.5 | 161.4 | 173.5 | 187.2 | 206.8 |
| 52.5° | 129.9 | 131.2 | 132.3 | 133.9 | 135.5 | 135.7 | 139.4 | 143.9 | 152.4 | 166.6 | 182.5 |
| 55° | 114.6 | 115.7 | 117.8 | 119.1 | 121.2 | 123.1 | 126.0 | 129.1 | 134.7 | 144.2 | 160.6 |
| 57.5° | 97.2 | 97.4 | 99.6 | 100.9 | 105.1 | 109.3 | 112.0 | 115.4 | 119.4 | 126.0 | 138.4 |
| 60° | 79.8 | 80.5 | 80.8 | 81.9 | 85.6 | 90.0 | 95.3 | 100.6 | 104.8 | 110.6 | 119.4 |
| 62.5° | 70.2 | 70.5 | 71.3 | 72.4 | 72.6 | 74.7 | 76.3 | 82.7 | 90.0 | 95.9 | 101.7 |
| 65° | 61.8 | 62.1 | 62.1 | 62.9 | 63.9 | 65.0 | 65.8 | 68.1 | 71.3 | 79.5 | 86.6 |
| 67.5° | 53.9 | 53.6 | 54.1 | 54.9 | 55.2 | 56.0 | 57.3 | 58.6 | 60.7 | 63.1 | 70.5 |
| 70° | 45.9 | 45.9 | 45.7 | 46.5 | 47.3 | 47.5 | 48.3 | 49.6 | 51.0 | 53.1 | 55.5 |
| 72.5° | 38.0 | 38.6 | 38.6 | 39.1 | 39.3 | 40.4 | 40.9 | 41.5 | 43.3 | 44.4 | 46.2 |
| 75° | 31.7 | 31.4 | 32.2 | 32.0 | 32.5 | 32.7 | 33.5 | 34.3 | 34.9 | 35.9 | 37.5 |
| 77.5° | 25.4 | 24.8 | 25.4 | 25.1 | 25.6 | 26.1 | 26.1 | 26.9 | 27.5 | 28.5 | 29.3 |
| 80° | 18.5 | 18.5 | 18.7 | 19.3 | 19.3 | 19.5 | 20.1 | 19.8 | 20.9 | 21.1 | 21.9 |
| 82.5° | 12.7 | 12.9 | 12.9 | 13.2 | 13.2 | 13.2 | 13.7 | 13.7 | 14.0 | 14.5 | 14.8 |
| 85° | 7.4 | 7.1 | 7.4 | 7.4 | 7.4 | 7.7 | 7.9 | 7.7 | 8.2 | 8.7 | 8.7 |
| 87.5° | 2.1 | 2.1 | 2.4 | 2.6 | 2.6 | 2.9 | 2.9 | 2.9 | 3.2 | 3.2 | 3.4 |
| 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: P243248

CATALOG NUMBER: S122RDR-H485D927-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 |
| 2.5° | 832.6 | 831.3 | 827.9 | 824.7 | 818.9 | 814.1 | 812.6 | 812.8 | 805.7 | 798.3 | 796.2 |
| 5° | 855.6 | 850.9 | 844.0 | 836.9 | 828.1 | 819.4 | 813.9 | 809.4 | 798.3 | 787.2 | 780.9 |
| 7.5° | 874.6 | 867.0 | 856.9 | 845.6 | 834.2 | 821.3 | 812.3 | 803.8 | 788.5 | 773.5 | 765.3 |
| 10° | 892.0 | 881.2 | 867.5 | 852.7 | 837.6 | 820.7 | 807.8 | 794.6 | 775.3 | 758.4 | 744.4 |
| 12.5° | 908.7 | 891.5 | 877.5 | 856.1 | 839.5 | 816.5 | 798.8 | 783.5 | 760.8 | 739.7 | 724.1 |
| 15° | 910.3 | 898.1 | 879.4 | 857.2 | 831.8 | 810.4 | 788.3 | 770.3 | 744.4 | 720.9 | 694.3 |
| 17.5° | 910.0 | 900.5 | 881.0 | 858.2 | 827.9 | 799.9 | 775.9 | 752.4 | 722.8 | 695.3 | 672.3 |
| 20° | 900.5 | 893.9 | 877.0 | 850.1 | 819.4 | 787.2 | 760.5 | 732.8 | 698.2 | 670.0 | 644.9 |
| 22.5° | 878.1 | 879.6 | 866.4 | 842.4 | 809.4 | 773.5 | 742.6 | 710.6 | 675.2 | 642.8 | 611.1 |
| 25° | 840.0 | 856.9 | 853.0 | 830.5 | 795.4 | 756.0 | 720.9 | 685.0 | 647.0 | 612.4 | 583.1 |
| 27.5° | 792.8 | 824.4 | 831.3 | 813.9 | 780.3 | 736.2 | 696.4 | 657.3 | 618.5 | 581.2 | 551.1 |
| 30° | 736.8 | 784.0 | 801.5 | 792.0 | 761.1 | 714.9 | 668.6 | 630.3 | 587.8 | 548.2 | 516.5 |
| 32.5° | 666.3 | 732.5 | 763.2 | 766.1 | 740.7 | 691.1 | 639.9 | 598.7 | 555.1 | 517.6 | 483.5 |
| 35° | 587.6 | 668.9 | 718.8 | 732.3 | 714.1 | 664.9 | 611.1 | 567.5 | 521.0 | 483.3 | 448.9 |
| 37.5° | 508.3 | 603.9 | 669.4 | 695.6 | 683.4 | 635.9 | 578.9 | 534.8 | 488.8 | 450.2 | 418.0 |
| 40° | 435.5 | 526.3 | 611.3 | 652.3 | 648.6 | 604.5 | 546.9 | 501.2 | 454.5 | 418.8 | 383.4 |
| 42.5° | 370.2 | 457.9 | 551.4 | 606.3 | 609.2 | 570.7 | 511.8 | 465.8 | 420.9 | 385.6 | 348.6 |
| 45° | 318.7 | 395.9 | 488.5 | 554.0 | 566.7 | 535.0 | 475.3 | 428.1 | 387.1 | 353.9 | 316.9 |
| 47.5° | 277.5 | 337.5 | 423.6 | 500.4 | 522.9 | 495.1 | 438.1 | 393.2 | 354.7 | 326.1 | 291.3 |
| 50° | 241.9 | 298.1 | 371.3 | 442.3 | 475.3 | 454.5 | 401.1 | 358.4 | 323.5 | 296.0 | 265.4 |
| 52.5° | 210.2 | 253.8 | 317.2 | 385.3 | 429.7 | 410.6 | 365.2 | 325.9 | 293.1 | 267.5 | 241.9 |
| 55° | 184.1 | 220.5 | 276.5 | 337.2 | 378.2 | 367.6 | 327.2 | 292.1 | 263.3 | 239.0 | 218.1 |
| 57.5° | 157.1 | 187.8 | 232.9 | 287.1 | 327.2 | 325.6 | 292.3 | 258.5 | 235.8 | 212.8 | 197.8 |
| 60° | 133.6 | 158.4 | 195.2 | 241.1 | 281.5 | 281.8 | 255.9 | 229.2 | 209.7 | 189.9 | 175.6 |
| 62.5° | 112.8 | 132.6 | 164.5 | 201.5 | 233.7 | 241.9 | 222.6 | 199.4 | 183.5 | 168.2 | 156.1 |
| 65° | 94.8 | 109.6 | 133.6 | 167.2 | 192.5 | 203.6 | 190.9 | 174.0 | 160.8 | 147.1 | 136.3 |
| 67.5° | 78.2 | 89.0 | 106.7 | 133.1 | 158.4 | 166.6 | 161.4 | 148.4 | 138.9 | 127.5 | 119.4 |
| 70° | 61.5 | 70.8 | 83.2 | 103.0 | 123.9 | 135.2 | 133.6 | 124.4 | 116.5 | 108.3 | 100.6 |
| 72.5° | 48.9 | 54.1 | 63.6 | 77.9 | 94.5 | 107.2 | 107.7 | 103.0 | 96.4 | 89.5 | 84.5 |
| 75° | 39.3 | 41.7 | 46.2 | 57.3 | 70.5 | 81.1 | 84.8 | 82.4 | 77.1 | 72.9 | 69.5 |
| 77.5° | 30.4 | 32.5 | 35.4 | 40.7 | 51.0 | 59.2 | 63.6 | 63.9 | 60.7 | 57.0 | 54.4 |
| 80° | 22.7 | 23.5 | 25.6 | 28.3 | 33.5 | 40.7 | 45.9 | 45.9 | 44.1 | 42.3 | 40.7 |
| 82.5° | 15.6 | 16.4 | 17.4 | 18.7 | 21.4 | 25.6 | 30.4 | 31.2 | 30.1 | 29.6 | 27.5 |
| 85° | 8.7 | 9.5 | 10.0 | 10.8 | 11.9 | 14.0 | 17.4 | 18.5 | 18.7 | 17.2 | 16.1 |
| 87.5° | 3.4 | 3.4 | 3.7 | 4.0 | 4.2 | 5.0 | 6.3 | 7.9 | 7.9 | 7.1 | 6.9 |
| 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: P243248

CATALOG NUMBER: S122RDR-H485D927-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 | 807.0 |
| 2.5° | 793.5 | 789.9 | 785.1 | 780.9 | 775.1 | 769.3 | 768.2 | 770.3 | 770.8 | 768.2 | 769.0 |
| 5° | 774.8 | 767.9 | 762.1 | 752.6 | 746.5 | 738.6 | 733.3 | 733.3 | 733.3 | 729.4 | 725.7 |
| 7.5° | 755.3 | 746.0 | 734.9 | 725.9 | 713.5 | 703.2 | 698.2 | 695.8 | 691.1 | 687.1 | 682.6 |
| 10° | 732.5 | 719.6 | 705.9 | 691.9 | 681.1 | 666.8 | 658.3 | 653.1 | 644.9 | 641.4 | 634.8 |
| 12.5° | 705.9 | 692.9 | 676.3 | 653.6 | 650.4 | 633.0 | 621.1 | 611.3 | 601.3 | 593.1 | 590.2 |
| 15° | 684.5 | 662.0 | 639.9 | 623.7 | 600.2 | 589.9 | 572.5 | 570.9 | 562.7 | 538.7 | 520.0 |
| 17.5° | 649.9 | 629.8 | 605.3 | 587.3 | 568.6 | 545.6 | 527.1 | 508.9 | 491.4 | 474.5 | 474.0 |
| 20° | 619.3 | 595.8 | 572.5 | 553.0 | 520.2 | 487.5 | 476.1 | 459.5 | 449.2 | 435.7 | 431.8 |
| 22.5° | 585.7 | 561.2 | 532.1 | 503.6 | 465.3 | 444.7 | 432.3 | 419.1 | 408.8 | 402.7 | 396.6 |
| 25° | 551.9 | 527.4 | 488.8 | 453.7 | 427.5 | 411.4 | 400.9 | 386.6 | 379.2 | 373.9 | 366.0 |
| 27.5° | 518.9 | 487.7 | 447.1 | 419.1 | 398.0 | 379.7 | 370.2 | 358.6 | 350.4 | 343.6 | 338.5 |
| 30° | 486.2 | 443.4 | 408.8 | 387.1 | 365.5 | 354.1 | 341.7 | 333.0 | 326.9 | 320.6 | 312.4 |
| 32.5° | 450.2 | 405.4 | 382.9 | 356.2 | 343.6 | 327.2 | 318.2 | 309.2 | 301.3 | 296.8 | 293.9 |
| 35° | 408.5 | 372.3 | 352.3 | 332.7 | 316.6 | 305.8 | 293.1 | 287.6 | 283.4 | 274.6 | 270.9 |
| 37.5° | 373.1 | 347.0 | 325.9 | 308.4 | 293.7 | 282.0 | 276.2 | 266.7 | 260.6 | 257.7 | 253.8 |
| 40° | 343.8 | 320.6 | 302.4 | 284.7 | 272.3 | 263.8 | 253.5 | 248.5 | 240.6 | 237.7 | 234.5 |
| 42.5° | 318.5 | 297.1 | 278.1 | 264.6 | 253.8 | 242.2 | 236.9 | 228.4 | 225.0 | 217.9 | 215.2 |
| 45° | 292.9 | 273.8 | 257.2 | 244.0 | 233.7 | 226.6 | 217.1 | 211.8 | 205.7 | 202.0 | 194.9 |
| 47.5° | 267.2 | 250.3 | 236.6 | 225.5 | 216.5 | 207.8 | 199.9 | 195.4 | 187.8 | 183.8 | 180.1 |
| 50° | 247.4 | 231.1 | 218.1 | 207.0 | 197.8 | 189.1 | 184.1 | 176.7 | 169.8 | 165.3 | 164.0 |
| 52.5° | 223.9 | 209.7 | 197.8 | 189.3 | 180.1 | 173.8 | 166.9 | 158.7 | 155.3 | 150.8 | 149.7 |
| 55° | 203.1 | 191.5 | 181.4 | 172.4 | 164.5 | 157.4 | 149.5 | 143.7 | 141.0 | 138.9 | 137.3 |
| 57.5° | 183.5 | 172.4 | 163.2 | 155.0 | 148.1 | 140.8 | 134.2 | 130.7 | 128.3 | 126.0 | 124.4 |
| 60° | 164.3 | 154.2 | 145.8 | 138.9 | 131.8 | 124.6 | 119.9 | 117.0 | 115.1 | 111.7 | 110.6 |
| 62.5° | 147.1 | 137.8 | 129.1 | 122.8 | 116.2 | 110.6 | 106.7 | 102.7 | 99.8 | 97.2 | 91.6 |
| 65° | 128.3 | 120.2 | 113.6 | 107.2 | 100.9 | 96.7 | 92.2 | 87.7 | 84.0 | 84.0 | 84.0 |
| 67.5° | 111.7 | 104.6 | 97.7 | 92.2 | 86.6 | 81.6 | 77.1 | 76.8 | 75.5 | 75.0 | 74.2 |
| 70° | 94.8 | 89.8 | 83.4 | 77.4 | 71.8 | 69.5 | 68.7 | 67.3 | 65.8 | 65.5 | 64.4 |
| 72.5° | 79.5 | 73.7 | 67.9 | 62.6 | 61.5 | 60.5 | 58.9 | 57.6 | 56.5 | 55.7 | 55.2 |
| 75° | 65.0 | 59.2 | 54.4 | 53.1 | 51.8 | 49.9 | 48.6 | 47.5 | 47.0 | 47.0 | 46.7 |
| 77.5° | 49.6 | 46.2 | 44.1 | 42.0 | 40.9 | 39.9 | 39.1 | 38.6 | 37.8 | 38.0 | 37.5 |
| 80° | 36.4 | 35.4 | 33.5 | 32.2 | 31.7 | 30.6 | 30.1 | 29.8 | 29.3 | 29.3 | 29.0 |
| 82.5° | 26.1 | 24.3 | 23.5 | 22.7 | 22.2 | 21.7 | 21.9 | 21.7 | 21.4 | 21.1 | 21.4 |
| 85° | 15.1 | 14.8 | 14.3 | 14.3 | 14.3 | 14.0 | 14.0 | 14.0 | 13.7 | 13.5 | 13.5 |
| 87.5° | 6.6 | 6.9 | 6.9 | 6.3 | 7.1 | 7.1 | 6.9 | 6.9 | 6.6 | 7.1 | 6.6 |
| 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: P243248

CATALOG NUMBER: S122RDR-H485D927-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 807.0 | 807.0 | 807.0 | 807.0 |
| 2.5° | 765.6 | 765.3 | 763.7 | 761.1 |
| 5° | 724.1 | 723.0 | 720.4 | 722.5 |
| 7.5° | 679.7 | 676.8 | 674.2 | 675.5 |
| 10° | 632.2 | 631.1 | 629.6 | 626.4 |
| 12.5° | 579.6 | 583.9 | 579.4 | 589.4 |
| 15° | 501.7 | 520.5 | 497.0 | 504.9 |
| 17.5° | 462.9 | 463.2 | 460.0 | 456.3 |
| 20° | 426.5 | 417.2 | 420.7 | 414.6 |
| 22.5° | 391.4 | 389.2 | 388.2 | 386.1 |
| 25° | 359.9 | 356.0 | 354.7 | 356.0 |
| 27.5° | 336.7 | 334.8 | 329.8 | 329.0 |
| 30° | 307.6 | 306.9 | 305.3 | 304.7 |
| 32.5° | 289.4 | 286.0 | 285.2 | 282.0 |
| 35° | 269.1 | 267.2 | 265.9 | 265.1 |
| 37.5° | 248.8 | 247.7 | 245.3 | 246.6 |
| 40° | 232.1 | 226.8 | 224.7 | 224.5 |
| 42.5° | 213.9 | 211.0 | 206.8 | 205.5 |
| 45° | 192.8 | 191.5 | 190.1 | 189.6 |
| 47.5° | 174.3 | 173.5 | 171.9 | 171.1 |
| 50° | 161.1 | 159.0 | 158.7 | 158.4 |
| 52.5° | 148.4 | 147.6 | 146.8 | 147.9 |
| 55° | 136.5 | 135.5 | 134.7 | 134.7 |
| 57.5° | 123.6 | 121.7 | 120.2 | 120.4 |
| 60° | 108.5 | 107.5 | 106.2 | 105.6 |
| 62.5° | 91.1 | 91.1 | 90.8 | 90.8 |
| 65° | 82.9 | 82.4 | 82.1 | 82.4 |
| 67.5° | 73.9 | 73.4 | 72.6 | 72.9 |
| 70° | 63.6 | 63.4 | 63.6 | 63.4 |
| 72.5° | 54.4 | 54.1 | 54.4 | 54.9 |
| 75° | 45.9 | 45.7 | 45.4 | 45.4 |
| 77.5° | 37.2 | 37.0 | 36.4 | 37.0 |
| 80° | 29.0 | 28.8 | 28.5 | 28.5 |
| 82.5° | 20.6 | 20.9 | 20.6 | 20.6 |
| 85° | 13.5 | 13.7 | 13.5 | 13.2 |
| 87.5° | 6.9 | 7.1 | 6.6 | 6.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)