

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: P332673-927

Luminaire Tested: **SA4XXDIP-C1195D365U927-4F0-1E-UDD-D**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332673-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C1195D365U927-4F0-1E-UDD-D
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1195 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

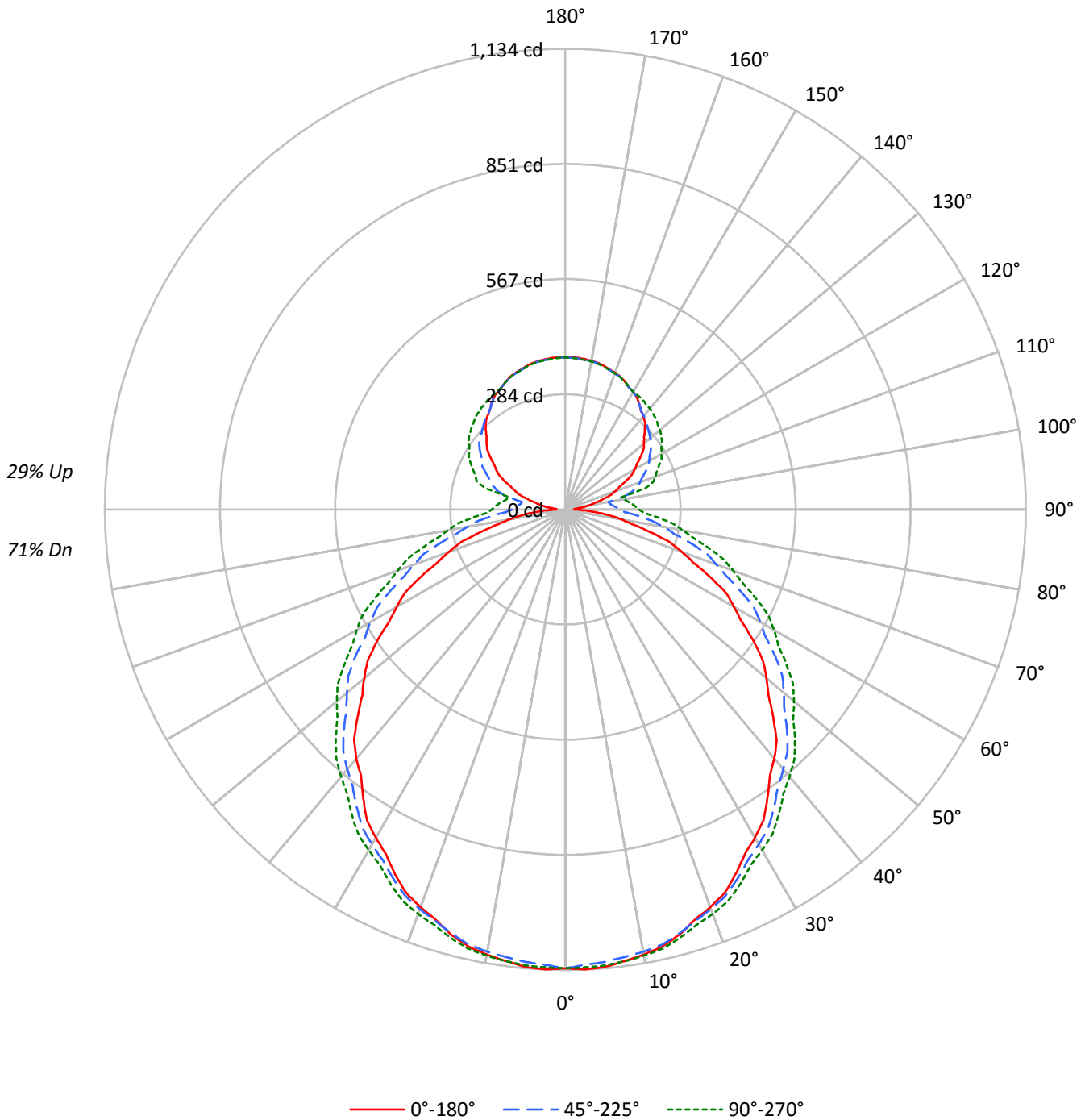
Lumens per Lamp: N/A
Luminaire Lumens: 5009.7 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 49.8
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: P332673-927
CATALOG NUMBER: SA4XXDIP-C1195D365U927-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P332673-927

CATALOG NUMBER: SA4XXDIP-C1195D365U927-4F0-1E-UDD-D

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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 85 | 85 | 85 | 75 | 75 | 75 | 75 | 75 | 75 | 71 | |
| 1 | 101 | 96 | 91 | 87 | 95 | 91 | 87 | 83 | 81 | 78 | 75 | 73 | 70 | 68 | 64 | 63 | 61 | 61 | 61 | 61 | 57 | |
| 2 | 91 | 83 | 76 | 70 | 86 | 79 | 72 | 67 | 70 | 65 | 61 | 63 | 59 | 56 | 56 | 53 | 50 | 50 | 50 | 50 | 46 | |
| 3 | 83 | 73 | 64 | 58 | 78 | 69 | 61 | 55 | 62 | 56 | 51 | 55 | 50 | 46 | 49 | 45 | 42 | 42 | 42 | 42 | 39 | |
| 4 | 76 | 64 | 55 | 49 | 71 | 61 | 53 | 47 | 55 | 48 | 43 | 49 | 44 | 39 | 44 | 39 | 36 | 36 | 36 | 36 | 33 | |
| 5 | 70 | 57 | 48 | 41 | 65 | 54 | 46 | 40 | 49 | 42 | 37 | 44 | 38 | 34 | 39 | 35 | 31 | 31 | 31 | 31 | 28 | |
| 6 | 64 | 51 | 42 | 36 | 60 | 49 | 40 | 35 | 44 | 37 | 32 | 39 | 34 | 30 | 35 | 31 | 27 | 27 | 27 | 27 | 24 | |
| 7 | 59 | 46 | 37 | 31 | 56 | 44 | 36 | 30 | 40 | 33 | 28 | 36 | 30 | 26 | 32 | 28 | 24 | 24 | 24 | 24 | 22 | |
| 8 | 55 | 42 | 34 | 28 | 52 | 40 | 32 | 27 | 36 | 30 | 25 | 33 | 27 | 23 | 30 | 25 | 21 | 21 | 21 | 21 | 19 | |
| 9 | 51 | 38 | 30 | 25 | 48 | 37 | 29 | 24 | 33 | 27 | 22 | 30 | 25 | 21 | 27 | 23 | 19 | 19 | 19 | 19 | 17 | |
| 10 | 48 | 35 | 27 | 22 | 45 | 34 | 26 | 22 | 31 | 24 | 20 | 28 | 23 | 19 | 25 | 21 | 17 | 17 | 17 | 17 | 16 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9120 | 9120 | 9120 |
| 5° | 9147 | 8912 | 8938 |
| 10° | 9092 | 8767 | 8760 |
| 15° | 9010 | 8598 | 8551 |
| 20° | 8888 | 8412 | 8347 |
| 25° | 8749 | 8203 | 8124 |
| 30° | 8599 | 7995 | 7894 |
| 35° | 8429 | 7783 | 7692 |
| 40° | 8293 | 7580 | 7482 |
| 45° | 8093 | 7394 | 7302 |
| 50° | 7922 | 7178 | 7111 |
| 55° | 7746 | 6976 | 6888 |
| 60° | 7471 | 6718 | 6685 |
| 65° | 7170 | 6440 | 6434 |
| 70° | 6805 | 6123 | 6141 |
| 75° | 6298 | 5775 | 5878 |
| 80° | 5734 | 5442 | 5618 |
| 85° | 5012 | 5144 | 5468 |



TEST NUMBER: P332673-927

CATALOG NUMBER: SA4XXDIP-C1195D365U927-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 107.0 | 2.1 |
| 10°-20° | 306.5 | 6.1 |
| 20°-30° | 463.4 | 9.3 |
| 30°-40° | 560.7 | 11.2 |
| 40°-50° | 592.8 | 11.8 |
| 50°-60° | 557.9 | 11.1 |
| 60°-70° | 462.9 | 9.2 |
| 70°-80° | 325.1 | 6.5 |
| 80°-90° | 184.9 | 3.7 |
| 90°-100° | 121.9 | 2.4 |
| 100°-110° | 162.4 | 3.2 |
| 110°-120° | 210.4 | 4.2 |
| 120°-130° | 228.8 | 4.6 |
| 130°-140° | 225.3 | 4.5 |
| 140°-150° | 201.0 | 4.0 |
| 150°-160° | 160.0 | 3.2 |
| 160°-170° | 103.2 | 2.1 |
| 170°-180° | 35.6 | 0.7 |
| 0°-30° | 876.9 | 17.5 |
| 0°-40° | 1437.6 | 28.7 |
| 0°-60° | 2588.3 | 51.7 |
| 0°-90° | 3561.1 | 71.1 |
| 90°-120° | 494.7 | 9.9 |
| 90°-150° | 1149.9 | 23.0 |
| 90°-180° | 1449.0 | 28.9 |
| 0°-180° | 5009.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1130 | 1130 | 1130 | 1130 | 1130 | |
| 5° | 1131 | 1127 | 1118 | 1128 | 1127 | 107 |
| 15° | 1084 | 1085 | 1082 | 1092 | 1092 | 305 |
| 25° | 992 | 999 | 1003 | 1016 | 1018 | 457 |
| 35° | 868 | 883 | 896 | 912 | 917 | 543 |
| 45° | 724 | 748 | 772 | 792 | 800 | 559 |
| 55° | 567 | 594 | 631 | 656 | 664 | 505 |
| 65° | 392 | 433 | 476 | 506 | 517 | 389 |
| 75° | 218 | 265 | 318 | 352 | 364 | 231 |
| 85° | 67 | 120 | 177 | 214 | 228 | 71 |
| 90° | 21 | 75 | 131 | 168 | 180 | 14 |
| 95° | 32 | 65 | 116 | 151 | 164 | 33 |
| 105° | 96 | 124 | 171 | 203 | 205 | 101 |
| 115° | 165 | 179 | 217 | 245 | 255 | 163 |
| 125° | 226 | 228 | 257 | 281 | 290 | 202 |
| 135° | 277 | 277 | 287 | 307 | 316 | 214 |
| 145° | 318 | 317 | 317 | 325 | 331 | 199 |
| 155° | 347 | 347 | 346 | 347 | 347 | 160 |
| 165° | 366 | 365 | 364 | 366 | 364 | 103 |
| 175° | 374 | 373 | 373 | 375 | 372 | 36 |
| 180° | 374 | 374 | 374 | 374 | 374 | |



TEST NUMBER: P332673-927

CATALOG NUMBER: SA4XXDIP-C1195D365U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1129.7 | 1129.7 | 1129.7 | 1129.7 | 1129.7 | 1129.7 | 1129.7 | 1129.7 | 1129.7 | 1129.7 | 1129.7 |
| 2.5° | 1133.7 | 1133.0 | 1132.3 | 1131.6 | 1131.0 | 1129.7 | 1127.9 | 1126.2 | 1124.3 | 1122.5 | 1124.1 |
| 5° | 1130.8 | 1130.0 | 1129.2 | 1128.4 | 1127.5 | 1126.1 | 1124.1 | 1122.1 | 1120.2 | 1118.2 | 1120.5 |
| 7.5° | 1121.3 | 1120.8 | 1120.2 | 1119.7 | 1119.3 | 1118.2 | 1116.6 | 1114.9 | 1113.3 | 1111.7 | 1114.2 |
| 10° | 1113.2 | 1112.9 | 1112.6 | 1112.3 | 1112.1 | 1111.2 | 1109.8 | 1108.4 | 1107.0 | 1105.6 | 1108.1 |
| 12.5° | 1102.0 | 1102.0 | 1101.9 | 1101.8 | 1101.8 | 1101.3 | 1100.3 | 1099.4 | 1098.4 | 1097.5 | 1099.8 |
| 15° | 1084.1 | 1084.3 | 1084.7 | 1084.9 | 1085.2 | 1084.9 | 1084.1 | 1083.2 | 1082.4 | 1081.6 | 1084.1 |
| 17.5° | 1059.5 | 1060.4 | 1061.2 | 1062.1 | 1062.9 | 1063.3 | 1063.1 | 1062.9 | 1062.7 | 1062.6 | 1065.2 |
| 20° | 1042.4 | 1043.1 | 1044.0 | 1044.9 | 1045.7 | 1046.2 | 1046.6 | 1046.9 | 1047.1 | 1047.4 | 1050.2 |
| 22.5° | 1023.1 | 1024.1 | 1025.2 | 1026.3 | 1027.4 | 1028.2 | 1028.6 | 1029.2 | 1029.7 | 1030.2 | 1033.0 |
| 25° | 991.7 | 993.4 | 995.1 | 996.8 | 998.5 | 999.7 | 1000.6 | 1001.4 | 1002.3 | 1003.1 | 1006.2 |
| 27.5° | 956.8 | 959.3 | 961.8 | 964.2 | 966.7 | 968.6 | 969.9 | 971.2 | 972.5 | 973.8 | 976.6 |
| 30° | 933.5 | 935.8 | 938.0 | 940.3 | 942.5 | 944.7 | 946.6 | 948.6 | 950.5 | 952.5 | 955.6 |
| 32.5° | 908.2 | 910.9 | 913.6 | 916.3 | 919.0 | 921.5 | 923.7 | 925.9 | 928.0 | 930.3 | 933.8 |
| 35° | 867.8 | 871.2 | 874.5 | 877.9 | 881.2 | 884.3 | 887.2 | 889.9 | 892.8 | 895.6 | 899.5 |
| 37.5° | 827.0 | 830.9 | 834.8 | 838.7 | 842.6 | 846.2 | 849.7 | 853.2 | 856.7 | 860.2 | 864.2 |
| 40° | 800.7 | 804.4 | 808.0 | 811.7 | 815.3 | 819.1 | 823.1 | 827.0 | 830.9 | 834.9 | 839.1 |
| 42.5° | 770.4 | 774.4 | 778.6 | 782.7 | 786.8 | 791.2 | 795.7 | 800.3 | 804.9 | 809.6 | 814.3 |
| 45° | 723.6 | 728.9 | 734.3 | 739.6 | 744.9 | 750.3 | 755.6 | 761.0 | 766.3 | 771.7 | 776.4 |
| 47.5° | 678.7 | 684.3 | 689.8 | 695.3 | 700.8 | 706.7 | 712.9 | 719.1 | 725.2 | 731.4 | 736.3 |
| 50° | 646.4 | 652.6 | 658.8 | 665.0 | 671.1 | 677.3 | 683.5 | 689.7 | 695.9 | 702.0 | 707.7 |
| 52.5° | 614.0 | 620.2 | 626.4 | 632.6 | 638.7 | 645.4 | 652.4 | 659.6 | 666.6 | 673.8 | 679.4 |
| 55° | 566.7 | 572.6 | 578.5 | 584.4 | 590.3 | 597.5 | 605.9 | 614.3 | 622.8 | 631.2 | 636.8 |
| 57.5° | 513.8 | 521.2 | 528.5 | 535.8 | 543.0 | 550.9 | 559.3 | 567.7 | 576.1 | 584.4 | 591.1 |
| 60° | 479.4 | 486.7 | 494.0 | 501.4 | 508.7 | 517.0 | 526.2 | 535.5 | 544.8 | 554.1 | 560.5 |
| 62.5° | 446.0 | 454.0 | 462.0 | 470.0 | 477.9 | 486.6 | 495.9 | 505.2 | 514.4 | 523.7 | 530.1 |
| 65° | 392.1 | 401.2 | 410.1 | 419.1 | 428.1 | 437.4 | 446.9 | 456.5 | 466.0 | 475.6 | 482.7 |
| 67.5° | 340.2 | 349.8 | 359.4 | 368.9 | 378.5 | 388.4 | 398.6 | 408.8 | 419.1 | 429.4 | 436.5 |
| 70° | 304.8 | 314.4 | 324.0 | 333.5 | 343.1 | 353.2 | 363.8 | 374.5 | 385.2 | 395.9 | 403.5 |
| 72.5° | 270.5 | 280.2 | 290.0 | 299.8 | 309.6 | 320.1 | 331.5 | 342.9 | 354.2 | 365.6 | 373.0 |
| 75° | 217.6 | 228.0 | 238.4 | 248.7 | 259.2 | 270.3 | 282.1 | 293.9 | 305.7 | 317.5 | 325.3 |
| 77.5° | 168.3 | 179.3 | 190.3 | 201.3 | 212.3 | 224.0 | 236.4 | 248.7 | 261.1 | 273.5 | 281.5 |
| 80° | 137.9 | 149.1 | 160.3 | 171.6 | 182.8 | 194.6 | 207.0 | 219.4 | 231.8 | 244.2 | 252.5 |
| 82.5° | 107.5 | 119.2 | 130.9 | 142.6 | 154.3 | 166.4 | 178.7 | 191.1 | 203.4 | 215.8 | 224.4 |
| 85° | 67.0 | 78.8 | 90.6 | 102.4 | 114.2 | 126.5 | 139.1 | 151.8 | 164.5 | 177.1 | 185.5 |
| 87.5° | 37.6 | 49.2 | 60.8 | 72.4 | 84.1 | 96.0 | 108.4 | 120.9 | 133.2 | 145.7 | 153.9 |
| 90° | 21.1 | 33.0 | 44.9 | 56.9 | 68.8 | 81.0 | 93.6 | 106.2 | 118.8 | 131.4 | 139.9 |
| 92.5° | 22.7 | 32.9 | 43.1 | 53.2 | 63.4 | 74.8 | 87.4 | 99.9 | 112.5 | 125.1 | 133.4 |
| 95° | 31.8 | 39.0 | 46.2 | 53.3 | 60.5 | 69.9 | 81.4 | 93.0 | 104.6 | 116.2 | 124.1 |
| 97.5° | 47.6 | 57.0 | 66.2 | 75.5 | 84.8 | 91.7 | 96.2 | 100.7 | 105.1 | 109.6 | 117.0 |
| 100° | 59.8 | 68.3 | 76.7 | 85.1 | 93.6 | 98.9 | 101.3 | 103.7 | 106.1 | 108.4 | 115.0 |
| 102.5° | 74.6 | 81.8 | 89.0 | 96.3 | 103.5 | 111.9 | 121.6 | 131.2 | 140.9 | 150.4 | 146.4 |
| 105° | 95.6 | 101.6 | 107.7 | 113.7 | 119.6 | 128.0 | 138.7 | 149.4 | 160.1 | 170.9 | 178.4 |
| 107.5° | 117.3 | 122.1 | 126.9 | 131.7 | 136.5 | 144.0 | 154.2 | 164.5 | 174.8 | 185.1 | 192.3 |
| 110° | 131.0 | 135.2 | 139.3 | 143.5 | 147.6 | 154.7 | 164.9 | 175.2 | 185.4 | 195.6 | 202.2 |



TEST NUMBER: P332673-927

CATALOG NUMBER: SA4XXDIP-C1195D365U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 144.4 | 148.2 | 152.0 | 155.8 | 159.7 | 166.4 | 175.9 | 185.5 | 195.0 | 204.6 | 210.8 |
| 115° | 164.9 | 167.6 | 170.4 | 173.1 | 175.8 | 181.6 | 190.5 | 199.5 | 208.4 | 217.4 | 223.6 |
| 117.5° | 184.6 | 186.3 | 188.1 | 189.9 | 191.6 | 196.8 | 205.3 | 213.8 | 222.3 | 230.8 | 236.6 |
| 120° | 197.0 | 198.0 | 199.2 | 200.3 | 201.4 | 206.0 | 214.0 | 222.1 | 230.2 | 238.3 | 244.1 |
| 122.5° | 209.5 | 209.8 | 210.2 | 210.5 | 210.8 | 214.8 | 222.6 | 230.4 | 238.2 | 246.0 | 251.7 |
| 125° | 226.2 | 226.2 | 226.2 | 226.2 | 226.1 | 229.6 | 236.5 | 243.4 | 250.3 | 257.1 | 262.7 |
| 127.5° | 243.0 | 242.8 | 242.6 | 242.3 | 242.1 | 244.9 | 250.6 | 256.2 | 261.9 | 267.6 | 272.6 |
| 130° | 252.9 | 252.8 | 252.5 | 252.3 | 252.1 | 254.3 | 259.0 | 263.7 | 268.4 | 273.1 | 278.2 |
| 132.5° | 263.1 | 262.8 | 262.7 | 262.5 | 262.4 | 264.2 | 268.1 | 271.9 | 275.7 | 279.6 | 284.5 |
| 135° | 276.9 | 276.9 | 276.8 | 276.7 | 276.6 | 277.7 | 280.0 | 282.2 | 284.4 | 286.6 | 291.2 |
| 137.5° | 290.3 | 290.0 | 289.8 | 289.5 | 289.2 | 289.8 | 291.0 | 292.2 | 293.4 | 294.7 | 298.9 |
| 140° | 299.0 | 298.9 | 298.7 | 298.6 | 298.4 | 298.5 | 298.9 | 299.3 | 299.8 | 300.2 | 304.0 |
| 142.5° | 305.9 | 306.0 | 306.2 | 306.3 | 306.5 | 306.6 | 306.5 | 306.3 | 306.3 | 306.2 | 309.5 |
| 145° | 317.7 | 317.5 | 317.4 | 317.3 | 317.3 | 317.2 | 317.2 | 317.2 | 317.2 | 317.2 | 318.9 |
| 147.5° | 327.2 | 327.3 | 327.3 | 327.4 | 327.5 | 327.5 | 327.4 | 327.3 | 327.3 | 327.3 | 327.5 |
| 150° | 334.1 | 334.1 | 334.1 | 334.1 | 334.0 | 334.0 | 333.9 | 333.8 | 333.7 | 333.7 | 333.7 |
| 152.5° | 339.0 | 339.1 | 339.2 | 339.4 | 339.5 | 339.5 | 339.5 | 339.3 | 339.2 | 339.1 | 339.2 |
| 155° | 346.9 | 347.0 | 347.0 | 347.1 | 347.1 | 347.1 | 346.9 | 346.7 | 346.5 | 346.3 | 346.6 |
| 157.5° | 353.8 | 353.7 | 353.7 | 353.6 | 353.6 | 353.5 | 353.3 | 353.1 | 352.8 | 352.7 | 353.0 |
| 160° | 357.8 | 357.6 | 357.4 | 357.3 | 357.0 | 357.0 | 356.9 | 356.8 | 356.7 | 356.6 | 357.0 |
| 162.5° | 361.4 | 361.2 | 360.9 | 360.7 | 360.4 | 360.3 | 360.2 | 360.1 | 360.1 | 360.0 | 360.4 |
| 165° | 365.9 | 365.6 | 365.3 | 365.0 | 364.6 | 364.5 | 364.5 | 364.5 | 364.5 | 364.5 | 365.0 |
| 167.5° | 369.5 | 369.2 | 368.8 | 368.5 | 368.2 | 368.0 | 368.0 | 368.0 | 367.9 | 367.9 | 368.4 |
| 170° | 371.5 | 371.1 | 370.7 | 370.4 | 370.0 | 369.9 | 369.9 | 370.0 | 370.0 | 370.1 | 370.6 |
| 172.5° | 372.9 | 372.5 | 372.1 | 371.8 | 371.4 | 371.2 | 371.3 | 371.4 | 371.4 | 371.5 | 371.9 |
| 175° | 374.3 | 373.9 | 373.6 | 373.2 | 372.8 | 372.6 | 372.7 | 372.8 | 372.9 | 372.9 | 373.5 |
| 177.5° | 375.0 | 374.6 | 374.3 | 373.9 | 373.6 | 373.4 | 373.6 | 373.7 | 373.8 | 373.8 | 374.3 |
| 180° | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 |



TEST NUMBER: P332673-927

CATALOG NUMBER: SA4XXDIP-C1195D365U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1129.7 | 1129.7 | 1129.7 | 1129.7 | 1129.7 | 1129.7 | 1129.7 | 1129.7 |
| 2.5° | 1125.7 | 1127.3 | 1128.9 | 1129.5 | 1129.3 | 1129.0 | 1128.9 | 1128.6 |
| 5° | 1122.8 | 1125.0 | 1127.2 | 1128.2 | 1127.9 | 1127.7 | 1127.4 | 1127.1 |
| 7.5° | 1116.7 | 1119.3 | 1121.8 | 1122.9 | 1122.6 | 1122.4 | 1122.0 | 1121.8 |
| 10° | 1110.6 | 1113.2 | 1115.7 | 1116.8 | 1116.6 | 1116.3 | 1115.9 | 1115.7 |
| 12.5° | 1102.1 | 1104.4 | 1106.7 | 1107.9 | 1107.8 | 1107.7 | 1107.6 | 1107.6 |
| 15° | 1086.6 | 1089.2 | 1091.6 | 1092.8 | 1092.5 | 1092.3 | 1091.9 | 1091.6 |
| 17.5° | 1067.8 | 1070.3 | 1072.9 | 1074.1 | 1073.9 | 1073.6 | 1073.4 | 1073.2 |
| 20° | 1053.0 | 1055.8 | 1058.7 | 1060.0 | 1060.0 | 1060.0 | 1060.0 | 1060.0 |
| 22.5° | 1035.8 | 1038.6 | 1041.4 | 1043.1 | 1043.5 | 1043.9 | 1044.4 | 1044.9 |
| 25° | 1009.3 | 1012.4 | 1015.5 | 1017.2 | 1017.5 | 1017.7 | 1018.0 | 1018.3 |
| 27.5° | 979.5 | 982.4 | 985.2 | 986.8 | 987.2 | 987.5 | 987.9 | 988.2 |
| 30° | 958.7 | 961.8 | 964.9 | 966.7 | 967.3 | 967.8 | 968.4 | 969.0 |
| 32.5° | 937.3 | 940.9 | 944.4 | 946.5 | 947.1 | 947.6 | 948.2 | 948.7 |
| 35° | 903.5 | 907.4 | 911.3 | 913.7 | 914.6 | 915.4 | 916.2 | 917.1 |
| 37.5° | 868.2 | 872.1 | 876.2 | 878.6 | 879.5 | 880.4 | 881.3 | 882.2 |
| 40° | 843.3 | 847.6 | 851.8 | 854.4 | 855.6 | 856.7 | 857.8 | 858.9 |
| 42.5° | 818.9 | 823.6 | 828.2 | 831.0 | 831.9 | 832.8 | 833.7 | 834.6 |
| 45° | 781.2 | 786.0 | 790.8 | 793.8 | 795.3 | 796.6 | 798.0 | 799.5 |
| 47.5° | 741.3 | 746.2 | 751.2 | 754.5 | 756.2 | 757.9 | 759.5 | 761.3 |
| 50° | 713.3 | 718.9 | 724.5 | 728.2 | 729.9 | 731.6 | 733.2 | 734.9 |
| 52.5° | 685.0 | 690.6 | 696.2 | 699.9 | 701.6 | 703.2 | 704.9 | 706.6 |
| 55° | 642.5 | 648.1 | 653.7 | 657.4 | 659.0 | 660.8 | 662.4 | 664.1 |
| 57.5° | 597.8 | 604.5 | 611.2 | 615.3 | 616.9 | 618.5 | 620.0 | 621.6 |
| 60° | 567.0 | 573.5 | 579.9 | 584.2 | 586.5 | 588.7 | 591.0 | 593.3 |
| 62.5° | 536.6 | 543.1 | 549.5 | 553.9 | 556.2 | 558.4 | 560.6 | 562.9 |
| 65° | 489.6 | 496.7 | 503.7 | 508.3 | 510.6 | 512.9 | 515.2 | 517.4 |
| 67.5° | 443.6 | 450.8 | 457.9 | 462.6 | 464.8 | 466.9 | 469.1 | 471.3 |
| 70° | 411.1 | 418.7 | 426.3 | 431.1 | 433.0 | 435.0 | 437.0 | 438.9 |
| 72.5° | 380.3 | 387.7 | 395.1 | 399.8 | 402.0 | 404.2 | 406.4 | 408.6 |
| 75° | 333.3 | 341.1 | 349.0 | 354.2 | 356.7 | 359.3 | 361.8 | 364.3 |
| 77.5° | 289.5 | 297.5 | 305.4 | 310.8 | 313.5 | 316.2 | 318.9 | 321.5 |
| 80° | 261.0 | 269.4 | 277.9 | 283.2 | 285.4 | 287.7 | 289.9 | 292.2 |
| 82.5° | 233.1 | 241.8 | 250.4 | 256.0 | 258.5 | 260.9 | 263.4 | 265.9 |
| 85° | 193.9 | 202.4 | 210.8 | 216.4 | 219.3 | 222.0 | 224.9 | 227.7 |
| 87.5° | 162.2 | 170.4 | 178.6 | 183.9 | 186.5 | 188.9 | 191.5 | 193.9 |
| 90° | 148.5 | 156.9 | 165.5 | 171.0 | 173.3 | 175.7 | 178.1 | 180.5 |
| 92.5° | 141.7 | 150.0 | 158.3 | 163.6 | 165.9 | 168.1 | 170.4 | 172.7 |
| 95° | 132.1 | 140.1 | 148.1 | 153.4 | 155.9 | 158.5 | 161.1 | 163.7 |
| 97.5° | 124.4 | 131.8 | 139.2 | 144.2 | 146.6 | 149.1 | 151.6 | 154.1 |
| 100° | 121.5 | 128.0 | 134.6 | 138.9 | 140.9 | 142.9 | 145.0 | 146.9 |
| 102.5° | 142.4 | 138.3 | 134.3 | 133.3 | 135.5 | 137.8 | 140.0 | 142.1 |
| 105° | 186.0 | 193.6 | 201.2 | 205.0 | 205.0 | 205.0 | 205.0 | 205.0 |
| 107.5° | 199.5 | 206.6 | 213.8 | 218.6 | 220.8 | 223.1 | 225.3 | 227.6 |
| 110° | 208.7 | 215.3 | 221.9 | 226.4 | 228.9 | 231.3 | 233.8 | 236.1 |



TEST NUMBER: P332673-927

CATALOG NUMBER: SA4XXDIP-C1195D365U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 217.1 | 223.2 | 229.5 | 233.9 | 236.3 | 238.8 | 241.3 | 243.8 |
| 115° | 230.0 | 236.3 | 242.6 | 246.8 | 248.7 | 250.6 | 252.6 | 254.6 |
| 117.5° | 242.5 | 248.3 | 254.1 | 258.1 | 260.4 | 262.6 | 264.8 | 267.0 |
| 120° | 249.8 | 255.6 | 261.3 | 265.2 | 267.4 | 269.5 | 271.6 | 273.7 |
| 122.5° | 257.4 | 263.1 | 268.8 | 272.6 | 274.5 | 276.4 | 278.3 | 280.2 |
| 125° | 268.2 | 273.7 | 279.2 | 282.9 | 284.6 | 286.4 | 288.1 | 289.9 |
| 127.5° | 277.7 | 282.7 | 287.7 | 291.1 | 292.9 | 294.9 | 296.7 | 298.6 |
| 130° | 283.3 | 288.4 | 293.6 | 297.0 | 298.7 | 300.3 | 302.0 | 303.7 |
| 132.5° | 289.3 | 294.2 | 299.1 | 302.4 | 304.0 | 305.7 | 307.3 | 309.0 |
| 135° | 295.8 | 300.5 | 305.1 | 308.3 | 310.1 | 311.9 | 313.7 | 315.5 |
| 137.5° | 303.2 | 307.4 | 311.6 | 314.4 | 315.8 | 317.2 | 318.5 | 319.9 |
| 140° | 307.8 | 311.6 | 315.5 | 318.1 | 319.6 | 321.1 | 322.6 | 324.0 |
| 142.5° | 312.8 | 316.2 | 319.6 | 321.8 | 323.0 | 324.2 | 325.3 | 326.6 |
| 145° | 320.7 | 322.4 | 324.2 | 325.7 | 326.9 | 328.2 | 329.5 | 330.7 |
| 147.5° | 327.8 | 328.0 | 328.4 | 328.9 | 329.9 | 330.9 | 331.8 | 332.8 |
| 150° | 333.7 | 333.7 | 333.7 | 333.7 | 333.8 | 333.9 | 333.9 | 334.0 |
| 152.5° | 339.3 | 339.4 | 339.5 | 339.5 | 339.5 | 339.5 | 339.5 | 339.4 |
| 155° | 346.8 | 347.1 | 347.3 | 347.4 | 347.1 | 347.0 | 346.8 | 346.6 |
| 157.5° | 353.3 | 353.6 | 353.9 | 353.9 | 353.6 | 353.3 | 353.0 | 352.7 |
| 160° | 357.4 | 357.8 | 358.1 | 358.1 | 357.8 | 357.4 | 357.0 | 356.6 |
| 162.5° | 360.8 | 361.2 | 361.6 | 361.5 | 361.1 | 360.7 | 360.2 | 359.8 |
| 165° | 365.5 | 366.0 | 366.5 | 366.5 | 365.9 | 365.4 | 364.8 | 364.2 |
| 167.5° | 369.0 | 369.6 | 370.0 | 370.0 | 369.4 | 368.8 | 368.1 | 367.6 |
| 170° | 371.1 | 371.6 | 372.1 | 372.0 | 371.5 | 370.8 | 370.2 | 369.6 |
| 172.5° | 372.5 | 373.0 | 373.4 | 373.4 | 372.7 | 372.0 | 371.4 | 370.7 |
| 175° | 374.1 | 374.6 | 375.2 | 375.1 | 374.3 | 373.6 | 372.8 | 372.1 |
| 177.5° | 374.7 | 375.1 | 375.5 | 375.3 | 374.8 | 374.1 | 373.6 | 373.0 |
| 180° | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 |

(END OF REPORT)