

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: P332594-830

Luminaire Tested: **S124DIP-S795D590U830-4F0-1E-UDD-D4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332594-830
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: S124DIP-S795D590U830-4F0-1E-UDD-D4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5043.8 lumens
Efficiency: N/A
Efficacy: 125.2 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: General Diffuse

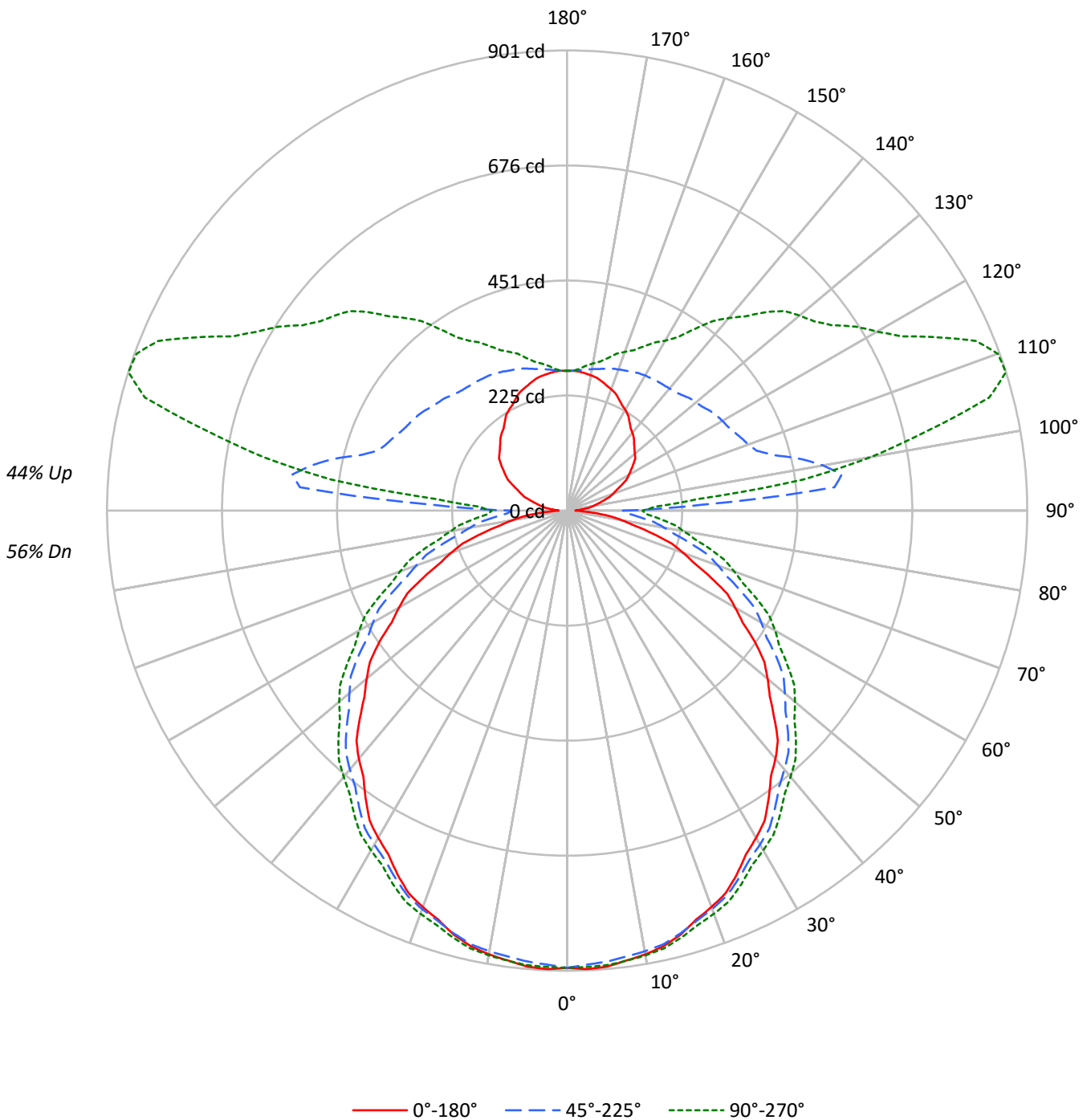
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332594-830

CATALOG NUMBER: S124DIP-S795D590U830-4F0-1E-UDD-D4

Luminous Intensity Polar Plot





TEST NUMBER: P332594-830

CATALOG NUMBER: S124DIP-S795D590U830-4F0-1E-UDD-D4

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 | 109 | 109 | 109 | 109 | 101 | 101 | 101 | 101 | 87 | 87 | 87 | 74 | 74 | 74 | 62 | 62 | 62 | 56 |
| 1 | 98 | 93 | 89 | 85 | 91 | 87 | 83 | 79 | 74 | 71 | 69 | 63 | 61 | 59 | 53 | 51 | 50 | 45 |
| 2 | 89 | 81 | 74 | 68 | 82 | 75 | 69 | 64 | 64 | 60 | 56 | 55 | 51 | 48 | 46 | 43 | 41 | 37 |
| 3 | 81 | 71 | 63 | 56 | 74 | 66 | 59 | 53 | 56 | 51 | 47 | 48 | 44 | 40 | 40 | 37 | 34 | 30 |
| 4 | 74 | 62 | 54 | 47 | 68 | 58 | 50 | 45 | 50 | 44 | 39 | 42 | 38 | 34 | 36 | 32 | 29 | 26 |
| 5 | 67 | 55 | 47 | 40 | 62 | 52 | 44 | 38 | 45 | 38 | 34 | 38 | 33 | 29 | 32 | 28 | 25 | 22 |
| 6 | 62 | 49 | 41 | 35 | 57 | 46 | 39 | 33 | 40 | 34 | 29 | 34 | 29 | 26 | 29 | 25 | 22 | 19 |
| 7 | 57 | 45 | 36 | 30 | 53 | 42 | 34 | 29 | 36 | 30 | 26 | 31 | 26 | 23 | 26 | 22 | 20 | 17 |
| 8 | 53 | 40 | 32 | 27 | 49 | 38 | 31 | 25 | 33 | 27 | 23 | 28 | 24 | 20 | 24 | 20 | 17 | 15 |
| 9 | 50 | 37 | 29 | 24 | 46 | 35 | 28 | 23 | 30 | 24 | 20 | 26 | 21 | 18 | 22 | 18 | 16 | 14 |
| 10 | 46 | 34 | 26 | 21 | 43 | 32 | 25 | 20 | 28 | 22 | 18 | 24 | 19 | 16 | 21 | 17 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7228 | 7228 | 7228 |
| 5° | 7250 | 7064 | 7083 |
| 10° | 7205 | 6948 | 6943 |
| 15° | 7141 | 6814 | 6777 |
| 20° | 7044 | 6667 | 6616 |
| 25° | 6934 | 6501 | 6439 |
| 30° | 6815 | 6336 | 6256 |
| 35° | 6681 | 6168 | 6097 |
| 40° | 6573 | 6008 | 5930 |
| 45° | 6413 | 5859 | 5787 |
| 50° | 6278 | 5689 | 5636 |
| 55° | 6138 | 5529 | 5459 |
| 60° | 5920 | 5324 | 5298 |
| 65° | 5683 | 5104 | 5098 |
| 70° | 5394 | 4853 | 4868 |
| 75° | 4992 | 4579 | 4659 |
| 80° | 4540 | 4312 | 4453 |
| 85° | 3980 | 4075 | 4334 |



TEST NUMBER: P332594-830

CATALOG NUMBER: S124DIP-S795D590U830-4F0-1E-UDD-D4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 84.8 | 1.7 |
| 10°-20° | 242.9 | 4.8 |
| 20°-30° | 367.3 | 7.3 |
| 30°-40° | 444.4 | 8.8 |
| 40°-50° | 469.8 | 9.3 |
| 50°-60° | 442.2 | 8.8 |
| 60°-70° | 366.8 | 7.3 |
| 70°-80° | 257.7 | 5.1 |
| 80°-90° | 147.2 | 2.9 |
| 90°-100° | 284.2 | 5.6 |
| 100°-110° | 475.4 | 9.4 |
| 110°-120° | 411.5 | 8.2 |
| 120°-130° | 334.2 | 6.6 |
| 130°-140° | 268.9 | 5.3 |
| 140°-150° | 199.6 | 4.0 |
| 150°-160° | 138.8 | 2.8 |
| 160°-170° | 81.6 | 1.6 |
| 170°-180° | 26.6 | 0.5 |
| 0°-30° | 695.0 | 13.8 |
| 0°-40° | 1139.4 | 22.6 |
| 0°-60° | 2051.4 | 40.7 |
| 0°-90° | 2823.1 | 56.0 |
| 90°-120° | 1171.1 | 23.2 |
| 90°-150° | 1973.8 | 39.1 |
| 90°-180° | 2221.0 | 44.0 |
| 0°-180° | 5043.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 895 | 895 | 895 | 895 | 895 | |
| 5° | 896 | 893 | 886 | 894 | 893 | 85 |
| 15° | 859 | 860 | 857 | 866 | 865 | 242 |
| 25° | 786 | 792 | 795 | 806 | 807 | 362 |
| 35° | 688 | 700 | 710 | 723 | 727 | 431 |
| 45° | 573 | 593 | 612 | 628 | 634 | 443 |
| 55° | 449 | 471 | 500 | 520 | 526 | 400 |
| 65° | 311 | 343 | 377 | 401 | 410 | 308 |
| 75° | 172 | 210 | 252 | 279 | 289 | 183 |
| 85° | 53 | 95 | 140 | 169 | 180 | 57 |
| 90° | 17 | 61 | 109 | 138 | 148 | 12 |
| 95° | 31 | 102 | 526 | 330 | 254 | 30 |
| 105° | 72 | 121 | 419 | 850 | 856 | 77 |
| 115° | 117 | 155 | 362 | 673 | 803 | 116 |
| 125° | 158 | 188 | 341 | 561 | 633 | 141 |
| 135° | 185 | 221 | 319 | 481 | 549 | 144 |
| 145° | 212 | 242 | 309 | 391 | 433 | 133 |
| 155° | 240 | 259 | 300 | 340 | 354 | 111 |
| 165° | 262 | 270 | 288 | 305 | 309 | 74 |
| 175° | 273 | 274 | 276 | 280 | 278 | 26 |
| 180° | 274 | 274 | 274 | 274 | 274 | |



TEST NUMBER: P332594-830

CATALOG NUMBER: S124DIP-S795D590U830-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 895.3 | 895.3 | 895.3 | 895.3 | 895.3 | 895.3 | 895.3 | 895.3 | 895.3 | 895.3 | 895.3 |
| 2.5° | 898.5 | 898.0 | 897.4 | 896.9 | 896.4 | 895.4 | 893.9 | 892.5 | 891.1 | 889.7 | 890.9 |
| 5° | 896.3 | 895.6 | 894.9 | 894.3 | 893.6 | 892.5 | 890.9 | 889.4 | 887.8 | 886.3 | 888.1 |
| 7.5° | 888.6 | 888.3 | 887.9 | 887.5 | 887.0 | 886.2 | 885.0 | 883.6 | 882.3 | 881.1 | 883.1 |
| 10° | 882.2 | 882.0 | 881.8 | 881.6 | 881.4 | 880.7 | 879.6 | 878.4 | 877.3 | 876.2 | 878.3 |
| 12.5° | 873.5 | 873.4 | 873.4 | 873.3 | 873.3 | 872.9 | 872.1 | 871.3 | 870.5 | 869.8 | 871.7 |
| 15° | 859.2 | 859.4 | 859.6 | 859.9 | 860.1 | 859.9 | 859.2 | 858.6 | 857.8 | 857.1 | 859.2 |
| 17.5° | 839.7 | 840.4 | 841.0 | 841.8 | 842.4 | 842.6 | 842.5 | 842.4 | 842.3 | 842.2 | 844.2 |
| 20° | 826.1 | 826.8 | 827.5 | 828.1 | 828.8 | 829.2 | 829.4 | 829.6 | 829.9 | 830.1 | 832.4 |
| 22.5° | 810.9 | 811.7 | 812.6 | 813.4 | 814.3 | 814.9 | 815.3 | 815.7 | 816.1 | 816.5 | 818.7 |
| 25° | 786.0 | 787.3 | 788.7 | 790.0 | 791.4 | 792.4 | 793.1 | 793.7 | 794.4 | 795.0 | 797.5 |
| 27.5° | 758.4 | 760.3 | 762.2 | 764.2 | 766.2 | 767.7 | 768.7 | 769.7 | 770.7 | 771.8 | 774.0 |
| 30° | 739.9 | 741.7 | 743.5 | 745.3 | 747.1 | 748.7 | 750.3 | 751.8 | 753.4 | 754.9 | 757.3 |
| 32.5° | 719.8 | 722.0 | 724.2 | 726.2 | 728.4 | 730.3 | 732.1 | 733.8 | 735.6 | 737.3 | 740.1 |
| 35° | 687.8 | 690.4 | 693.1 | 695.8 | 698.4 | 700.9 | 703.1 | 705.4 | 707.6 | 709.8 | 712.9 |
| 37.5° | 655.4 | 658.6 | 661.7 | 664.7 | 667.8 | 670.7 | 673.4 | 676.2 | 679.0 | 681.7 | 684.9 |
| 40° | 634.6 | 637.5 | 640.4 | 643.3 | 646.2 | 649.2 | 652.3 | 655.4 | 658.6 | 661.7 | 665.1 |
| 42.5° | 610.6 | 613.8 | 617.1 | 620.3 | 623.6 | 627.0 | 630.7 | 634.3 | 638.0 | 641.6 | 645.4 |
| 45° | 573.4 | 577.7 | 581.9 | 586.2 | 590.4 | 594.7 | 598.9 | 603.1 | 607.3 | 611.5 | 615.4 |
| 47.5° | 538.0 | 542.3 | 546.7 | 551.1 | 555.4 | 560.1 | 565.0 | 569.9 | 574.8 | 579.7 | 583.6 |
| 50° | 512.3 | 517.2 | 522.1 | 527.0 | 531.9 | 536.8 | 541.7 | 546.6 | 551.5 | 556.4 | 560.9 |
| 52.5° | 486.6 | 491.5 | 496.4 | 501.3 | 506.2 | 511.5 | 517.1 | 522.7 | 528.4 | 534.0 | 538.4 |
| 55° | 449.1 | 453.8 | 458.5 | 463.2 | 467.9 | 473.5 | 480.2 | 486.9 | 493.6 | 500.3 | 504.7 |
| 57.5° | 407.3 | 413.0 | 418.9 | 424.6 | 430.4 | 436.6 | 443.3 | 449.9 | 456.6 | 463.2 | 468.4 |
| 60° | 379.9 | 385.8 | 391.5 | 397.4 | 403.1 | 409.7 | 417.1 | 424.4 | 431.8 | 439.1 | 444.2 |
| 62.5° | 353.5 | 359.9 | 366.2 | 372.5 | 378.8 | 385.7 | 393.0 | 400.4 | 407.7 | 415.1 | 420.2 |
| 65° | 310.8 | 317.9 | 325.1 | 332.2 | 339.3 | 346.7 | 354.2 | 361.8 | 369.4 | 376.9 | 382.5 |
| 67.5° | 269.7 | 277.3 | 284.8 | 292.4 | 300.0 | 307.8 | 315.9 | 324.0 | 332.2 | 340.3 | 345.9 |
| 70° | 241.6 | 249.2 | 256.7 | 264.4 | 271.9 | 279.9 | 288.4 | 296.9 | 305.3 | 313.8 | 319.8 |
| 72.5° | 214.3 | 222.1 | 229.9 | 237.6 | 245.3 | 253.7 | 262.8 | 271.7 | 280.8 | 289.7 | 295.6 |
| 75° | 172.5 | 180.7 | 188.9 | 197.2 | 205.4 | 214.2 | 223.6 | 232.9 | 242.3 | 251.7 | 257.9 |
| 77.5° | 133.4 | 142.0 | 150.8 | 159.6 | 168.2 | 177.6 | 187.4 | 197.2 | 207.0 | 216.8 | 223.1 |
| 80° | 109.2 | 118.2 | 127.1 | 136.0 | 145.0 | 154.3 | 164.1 | 173.9 | 183.7 | 193.5 | 200.2 |
| 82.5° | 85.2 | 94.4 | 103.8 | 113.0 | 122.2 | 131.9 | 141.7 | 151.5 | 161.3 | 171.1 | 177.9 |
| 85° | 53.2 | 62.5 | 71.8 | 81.2 | 90.6 | 100.3 | 110.3 | 120.3 | 130.4 | 140.3 | 147.0 |
| 87.5° | 29.8 | 39.1 | 48.5 | 57.7 | 66.9 | 76.3 | 86.7 | 96.5 | 106.4 | 116.4 | 122.8 |
| 90° | 16.6 | 26.6 | 37.1 | 46.6 | 56.0 | 65.2 | 78.0 | 87.7 | 98.3 | 109.0 | 114.9 |
| 92.5° | 21.4 | 32.1 | 45.2 | 59.9 | 75.7 | 95.7 | 132.6 | 183.9 | 234.1 | 264.9 | 242.8 |
| 95° | 30.8 | 39.8 | 52.5 | 66.8 | 87.1 | 117.9 | 173.8 | 271.1 | 408.8 | 525.5 | 543.8 |
| 97.5° | 43.6 | 50.0 | 61.0 | 73.7 | 91.1 | 117.7 | 162.8 | 244.7 | 381.4 | 542.5 | 652.9 |
| 100° | 51.9 | 57.7 | 67.2 | 79.5 | 95.5 | 120.0 | 160.3 | 229.8 | 348.2 | 508.5 | 652.1 |
| 102.5° | 60.5 | 66.4 | 74.8 | 86.0 | 100.9 | 123.9 | 161.2 | 223.1 | 325.0 | 467.9 | 615.7 |
| 105° | 71.9 | 78.0 | 85.1 | 96.0 | 110.2 | 132.1 | 166.2 | 219.0 | 302.6 | 418.9 | 550.8 |
| 107.5° | 86.5 | 91.3 | 97.6 | 108.2 | 121.1 | 142.1 | 173.6 | 222.1 | 294.2 | 389.0 | 497.6 |
| 110° | 95.7 | 99.8 | 105.7 | 115.3 | 128.0 | 148.0 | 179.5 | 224.9 | 291.8 | 377.6 | 470.3 |



TEST NUMBER: P332594-830

CATALOG NUMBER: S124DIP-S795D590U830-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 104.3 | 108.2 | 114.0 | 122.8 | 135.3 | 154.9 | 185.1 | 228.1 | 290.8 | 369.8 | 452.8 |
| 115° | 116.8 | 120.4 | 126.2 | 133.6 | 145.8 | 164.9 | 193.5 | 232.9 | 290.0 | 361.7 | 434.3 |
| 117.5° | 130.7 | 133.5 | 138.0 | 145.2 | 155.9 | 174.8 | 202.0 | 238.3 | 289.7 | 355.2 | 422.4 |
| 120° | 139.4 | 141.2 | 145.6 | 152.2 | 162.0 | 180.6 | 207.5 | 242.0 | 289.8 | 351.1 | 415.2 |
| 122.5° | 148.1 | 149.2 | 153.2 | 158.7 | 168.9 | 186.6 | 213.2 | 245.5 | 290.0 | 346.7 | 407.7 |
| 125° | 158.3 | 160.2 | 163.2 | 168.9 | 178.9 | 196.7 | 221.6 | 251.9 | 291.3 | 341.0 | 396.8 |
| 127.5° | 168.1 | 169.7 | 173.2 | 179.8 | 190.2 | 207.5 | 230.5 | 257.4 | 291.2 | 333.8 | 383.0 |
| 130° | 173.0 | 174.8 | 178.9 | 186.7 | 196.7 | 214.1 | 235.8 | 260.4 | 291.3 | 329.3 | 374.2 |
| 132.5° | 178.5 | 180.0 | 185.4 | 192.7 | 203.6 | 219.7 | 240.8 | 264.2 | 291.9 | 325.7 | 366.6 |
| 135° | 185.4 | 187.5 | 192.8 | 202.0 | 213.3 | 228.1 | 247.4 | 268.2 | 291.9 | 319.2 | 354.0 |
| 137.5° | 193.2 | 195.0 | 200.7 | 209.2 | 220.7 | 234.3 | 251.7 | 270.4 | 290.8 | 314.5 | 343.5 |
| 140° | 198.8 | 200.2 | 205.9 | 214.8 | 225.8 | 238.7 | 255.1 | 272.6 | 291.1 | 311.7 | 337.7 |
| 142.5° | 204.0 | 205.6 | 211.0 | 219.7 | 230.5 | 242.9 | 258.4 | 274.3 | 291.5 | 310.1 | 333.2 |
| 145° | 212.4 | 213.7 | 218.9 | 226.1 | 236.1 | 247.9 | 261.8 | 276.4 | 292.0 | 308.6 | 327.2 |
| 147.5° | 221.9 | 222.2 | 226.7 | 234.2 | 242.5 | 253.1 | 266.2 | 278.8 | 292.5 | 306.7 | 322.1 |
| 150° | 227.9 | 228.2 | 232.3 | 238.6 | 246.4 | 256.5 | 268.3 | 280.1 | 292.5 | 305.4 | 318.9 |
| 152.5° | 232.7 | 232.7 | 237.0 | 243.0 | 250.2 | 259.5 | 270.0 | 281.0 | 291.6 | 303.2 | 315.4 |
| 155° | 240.3 | 240.9 | 244.1 | 249.5 | 255.4 | 263.4 | 272.6 | 281.7 | 290.3 | 300.0 | 310.2 |
| 157.5° | 248.0 | 248.0 | 251.0 | 255.1 | 260.3 | 266.6 | 274.5 | 281.7 | 289.0 | 296.7 | 305.0 |
| 160° | 252.7 | 252.7 | 254.9 | 258.6 | 262.9 | 268.8 | 275.3 | 281.7 | 287.7 | 294.1 | 301.1 |
| 162.5° | 257.0 | 256.6 | 258.3 | 261.6 | 265.5 | 270.1 | 276.2 | 281.7 | 286.3 | 291.5 | 297.7 |
| 165° | 261.8 | 261.8 | 262.9 | 265.6 | 268.3 | 271.5 | 276.4 | 280.7 | 283.9 | 287.7 | 292.0 |
| 167.5° | 266.6 | 266.2 | 266.6 | 268.7 | 270.2 | 272.7 | 276.3 | 279.4 | 281.3 | 283.8 | 286.8 |
| 170° | 268.8 | 268.3 | 268.8 | 270.4 | 271.5 | 273.1 | 275.8 | 278.5 | 279.6 | 281.2 | 283.3 |
| 172.5° | 271.0 | 270.4 | 270.5 | 271.7 | 272.4 | 273.5 | 275.4 | 277.7 | 277.9 | 278.6 | 280.3 |
| 175° | 273.1 | 272.6 | 272.6 | 273.1 | 273.7 | 273.7 | 274.8 | 276.4 | 275.8 | 275.8 | 276.9 |
| 177.5° | 274.1 | 273.7 | 273.2 | 273.7 | 273.7 | 273.7 | 274.1 | 274.9 | 274.1 | 274.1 | 274.6 |
| 180° | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 |



TEST NUMBER: P332594-830

CATALOG NUMBER: S124DIP-S795D590U830-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 895.3 | 895.3 | 895.3 | 895.3 | 895.3 | 895.3 | 895.3 | 895.3 |
| 2.5° | 892.1 | 893.4 | 894.7 | 895.2 | 895.0 | 894.8 | 894.7 | 894.5 |
| 5° | 889.9 | 891.6 | 893.3 | 894.2 | 893.9 | 893.7 | 893.5 | 893.2 |
| 7.5° | 885.0 | 887.0 | 889.1 | 889.9 | 889.8 | 889.5 | 889.3 | 889.1 |
| 10° | 880.2 | 882.2 | 884.3 | 885.1 | 885.0 | 884.7 | 884.5 | 884.3 |
| 12.5° | 873.5 | 875.3 | 877.1 | 878.0 | 878.0 | 877.9 | 877.9 | 877.8 |
| 15° | 861.2 | 863.2 | 865.2 | 866.1 | 865.9 | 865.6 | 865.4 | 865.2 |
| 17.5° | 846.2 | 848.3 | 850.4 | 851.3 | 851.1 | 850.9 | 850.7 | 850.6 |
| 20° | 834.5 | 836.8 | 839.1 | 840.2 | 840.2 | 840.2 | 840.2 | 840.2 |
| 22.5° | 821.0 | 823.1 | 825.4 | 826.7 | 827.1 | 827.4 | 827.7 | 828.1 |
| 25° | 799.9 | 802.4 | 804.8 | 806.2 | 806.3 | 806.6 | 806.8 | 807.1 |
| 27.5° | 776.3 | 778.5 | 780.9 | 782.1 | 782.4 | 782.7 | 783.0 | 783.2 |
| 30° | 759.8 | 762.2 | 764.7 | 766.2 | 766.7 | 767.0 | 767.5 | 768.0 |
| 32.5° | 742.9 | 745.7 | 748.5 | 750.2 | 750.5 | 751.0 | 751.5 | 752.0 |
| 35° | 716.0 | 719.2 | 722.3 | 724.2 | 724.8 | 725.5 | 726.2 | 726.9 |
| 37.5° | 688.1 | 691.3 | 694.4 | 696.4 | 697.0 | 697.8 | 698.4 | 699.2 |
| 40° | 668.4 | 671.8 | 675.0 | 677.1 | 678.1 | 678.9 | 679.9 | 680.7 |
| 42.5° | 649.0 | 652.7 | 656.4 | 658.6 | 659.3 | 660.1 | 660.8 | 661.5 |
| 45° | 619.2 | 622.9 | 626.7 | 629.1 | 630.3 | 631.4 | 632.5 | 633.6 |
| 47.5° | 587.5 | 591.4 | 595.4 | 597.9 | 599.4 | 600.7 | 602.0 | 603.3 |
| 50° | 565.3 | 569.8 | 574.2 | 577.1 | 578.4 | 579.9 | 581.2 | 582.5 |
| 52.5° | 542.9 | 547.3 | 551.8 | 554.7 | 556.0 | 557.3 | 558.6 | 560.1 |
| 55° | 509.2 | 513.7 | 518.1 | 521.0 | 522.4 | 523.7 | 525.0 | 526.3 |
| 57.5° | 473.8 | 479.1 | 484.4 | 487.7 | 488.9 | 490.1 | 491.4 | 492.7 |
| 60° | 449.4 | 454.5 | 459.6 | 463.1 | 464.9 | 466.7 | 468.4 | 470.2 |
| 62.5° | 425.3 | 430.5 | 435.5 | 439.0 | 440.8 | 442.6 | 444.3 | 446.1 |
| 65° | 388.1 | 393.7 | 399.3 | 402.9 | 404.7 | 406.5 | 408.2 | 410.0 |
| 67.5° | 351.6 | 357.2 | 362.9 | 366.6 | 368.3 | 370.0 | 371.8 | 373.5 |
| 70° | 325.8 | 331.9 | 337.9 | 341.7 | 343.2 | 344.8 | 346.3 | 347.9 |
| 72.5° | 301.4 | 307.3 | 313.1 | 316.9 | 318.6 | 320.4 | 322.1 | 323.9 |
| 75° | 264.1 | 270.3 | 276.6 | 280.7 | 282.8 | 284.7 | 286.7 | 288.7 |
| 77.5° | 229.4 | 235.7 | 242.0 | 246.3 | 248.5 | 250.5 | 252.7 | 254.9 |
| 80° | 206.9 | 213.6 | 220.3 | 224.4 | 226.2 | 228.0 | 229.8 | 231.6 |
| 82.5° | 184.7 | 191.6 | 198.5 | 202.9 | 204.8 | 206.8 | 208.8 | 210.8 |
| 85° | 153.7 | 160.4 | 167.1 | 171.5 | 173.8 | 176.0 | 178.2 | 180.5 |
| 87.5° | 129.3 | 135.9 | 142.5 | 146.7 | 148.7 | 150.8 | 152.7 | 154.7 |
| 90° | 121.9 | 128.8 | 135.8 | 140.0 | 142.3 | 144.6 | 145.8 | 147.6 |
| 92.5° | 212.6 | 192.7 | 182.8 | 176.1 | 171.5 | 170.4 | 170.3 | 172.1 |
| 95° | 497.7 | 420.4 | 354.3 | 306.1 | 281.8 | 267.2 | 259.5 | 254.5 |
| 97.5° | 681.4 | 656.2 | 609.4 | 557.2 | 520.5 | 490.0 | 475.8 | 466.6 |
| 100° | 736.7 | 753.5 | 733.1 | 697.1 | 651.9 | 620.7 | 606.1 | 603.3 |
| 102.5° | 729.2 | 788.4 | 801.9 | 789.2 | 762.1 | 740.2 | 724.9 | 723.2 |
| 105° | 679.5 | 778.1 | 836.9 | 862.6 | 865.4 | 863.0 | 857.2 | 855.7 |
| 107.5° | 612.1 | 716.6 | 797.0 | 848.6 | 876.8 | 890.6 | 897.6 | 900.6 |
| 110° | 571.2 | 669.3 | 752.4 | 815.0 | 855.0 | 879.3 | 890.8 | 897.4 |



TEST NUMBER: P332594-830

CATALOG NUMBER: S124DIP-S795D590U830-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 539.7 | 627.0 | 705.6 | 768.1 | 813.1 | 842.3 | 857.6 | 867.2 |
| 115° | 506.4 | 577.5 | 645.3 | 700.1 | 744.1 | 778.0 | 796.7 | 802.6 |
| 117.5° | 486.5 | 545.9 | 600.0 | 647.0 | 685.0 | 713.9 | 733.1 | 738.2 |
| 120° | 476.2 | 530.6 | 578.1 | 619.3 | 651.8 | 677.2 | 693.0 | 700.7 |
| 122.5° | 466.9 | 519.7 | 563.3 | 599.7 | 627.3 | 649.1 | 662.5 | 670.1 |
| 125° | 452.7 | 503.1 | 544.5 | 576.8 | 599.7 | 616.6 | 628.2 | 632.7 |
| 127.5° | 435.5 | 483.7 | 524.7 | 555.5 | 578.6 | 594.0 | 604.2 | 608.9 |
| 130° | 422.8 | 469.4 | 509.9 | 541.1 | 564.5 | 579.3 | 589.2 | 593.8 |
| 132.5° | 410.3 | 454.0 | 493.5 | 524.6 | 547.5 | 564.0 | 573.5 | 578.2 |
| 135° | 391.4 | 430.0 | 466.4 | 495.7 | 518.5 | 534.9 | 544.8 | 549.4 |
| 137.5° | 374.9 | 407.7 | 438.7 | 465.1 | 486.4 | 502.3 | 510.5 | 515.5 |
| 140° | 365.3 | 393.5 | 420.6 | 445.2 | 465.1 | 478.1 | 486.7 | 492.1 |
| 142.5° | 357.0 | 381.8 | 405.1 | 426.4 | 444.0 | 455.9 | 463.5 | 467.5 |
| 145° | 345.7 | 365.3 | 382.8 | 399.0 | 413.3 | 423.3 | 429.6 | 433.2 |
| 147.5° | 336.4 | 351.1 | 364.2 | 376.5 | 387.1 | 395.6 | 400.4 | 402.1 |
| 150° | 331.8 | 344.1 | 354.9 | 364.6 | 373.2 | 380.1 | 383.3 | 383.9 |
| 152.5° | 327.0 | 337.6 | 347.5 | 355.5 | 362.8 | 368.5 | 370.4 | 371.0 |
| 155° | 319.9 | 328.5 | 336.6 | 343.0 | 348.5 | 352.7 | 354.3 | 354.3 |
| 157.5° | 312.3 | 319.5 | 326.2 | 331.4 | 335.5 | 338.7 | 339.7 | 339.7 |
| 160° | 307.6 | 313.5 | 319.3 | 323.7 | 326.9 | 330.2 | 330.6 | 330.6 |
| 162.5° | 302.8 | 307.8 | 312.5 | 316.4 | 318.8 | 322.0 | 322.5 | 322.1 |
| 165° | 296.2 | 299.4 | 303.2 | 305.9 | 308.1 | 310.2 | 309.7 | 309.2 |
| 167.5° | 289.9 | 292.4 | 295.4 | 297.0 | 298.1 | 299.4 | 299.4 | 299.0 |
| 170° | 286.1 | 287.7 | 289.8 | 291.4 | 292.5 | 293.0 | 292.5 | 292.5 |
| 172.5° | 282.6 | 283.8 | 285.1 | 286.3 | 286.9 | 287.5 | 286.9 | 286.1 |
| 175° | 278.0 | 278.5 | 279.6 | 279.6 | 279.6 | 280.7 | 279.6 | 278.5 |
| 177.5° | 274.9 | 275.4 | 275.4 | 275.8 | 275.4 | 275.8 | 274.9 | 274.1 |
| 180° | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 | 273.7 |

(END OF REPORT)