

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: P331978-830

Luminaire Tested: **S123DIP-S775D805U830-4F0-1E-UDD-D4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331978-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S775D805U830-4F0-1E-UDD-D4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 805 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5786.1 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: General Diffuse

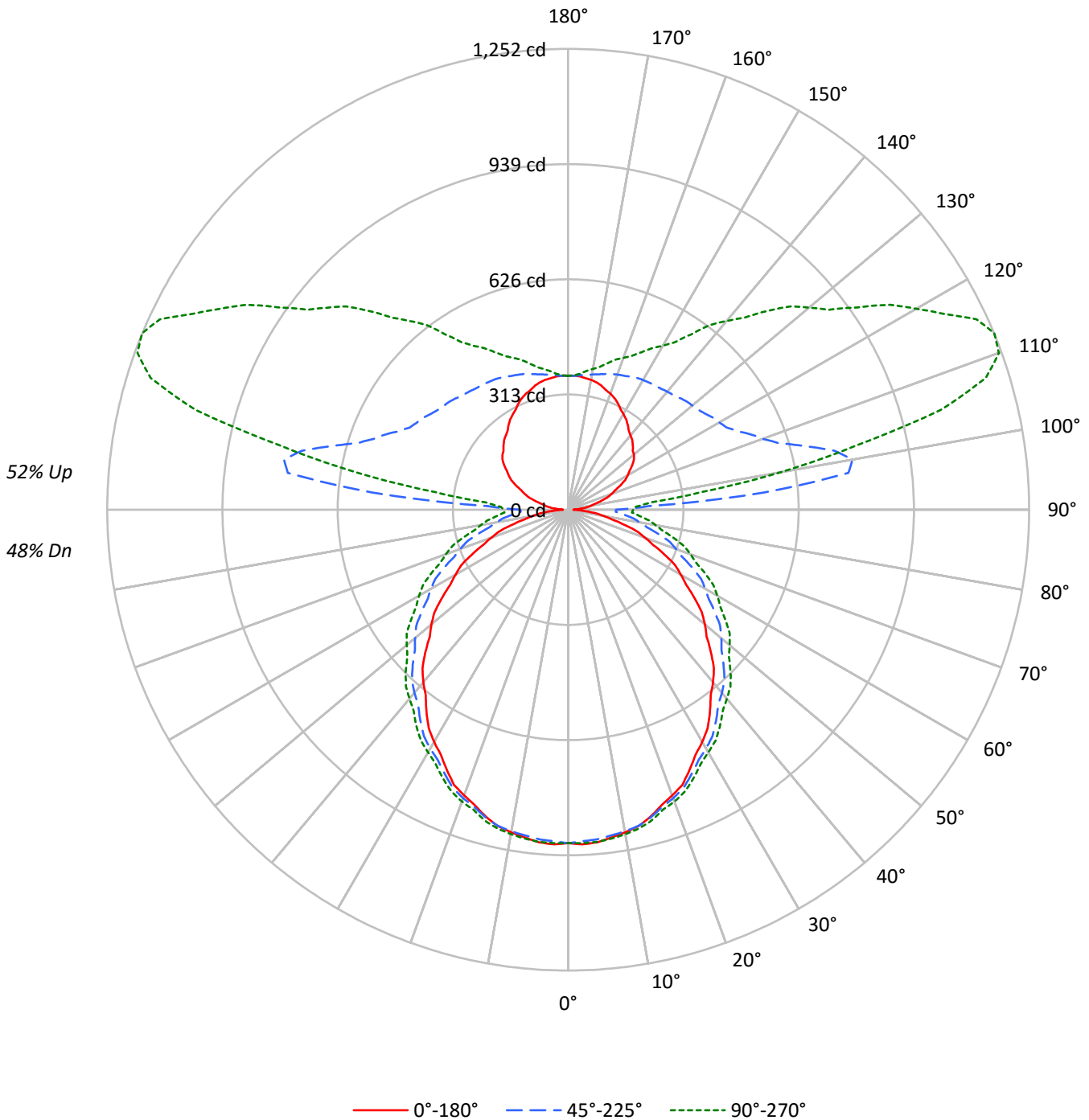
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331978-830

CATALOG NUMBER: S123DIP-S775D805U830-4F0-1E-UDD-D4

Luminous Intensity Polar Plot





TEST NUMBER: P331978-830

CATALOG NUMBER: S123DIP-S775D805U830-4F0-1E-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 | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | | 68 | 68 | 68 | | 55 | 55 | 55 | 48 |
| 1 | 96 | 92 | 87 | 83 | 88 | 84 | 81 | 77 | 71 | 68 | 65 | | 58 | 56 | 54 | | 47 | 45 | 44 | 39 |
| 2 | 87 | 79 | 73 | 67 | 80 | 73 | 67 | 63 | 61 | 57 | 53 | | 50 | 47 | 45 | | 40 | 38 | 36 | 31 |
| 3 | 79 | 69 | 62 | 56 | 73 | 64 | 57 | 52 | 54 | 49 | 44 | | 44 | 40 | 37 | | 35 | 33 | 30 | 26 |
| 4 | 72 | 61 | 53 | 47 | 66 | 57 | 49 | 44 | 48 | 42 | 38 | | 39 | 35 | 32 | | 32 | 28 | 26 | 22 |
| 5 | 66 | 54 | 46 | 40 | 61 | 50 | 43 | 37 | 42 | 37 | 32 | | 35 | 31 | 27 | | 28 | 25 | 22 | 19 |
| 6 | 61 | 49 | 40 | 34 | 56 | 45 | 38 | 32 | 38 | 32 | 28 | | 32 | 27 | 24 | | 26 | 22 | 20 | 17 |
| 7 | 56 | 44 | 36 | 30 | 52 | 41 | 33 | 28 | 34 | 29 | 25 | | 29 | 24 | 21 | | 23 | 20 | 17 | 15 |
| 8 | 52 | 40 | 32 | 26 | 48 | 37 | 30 | 25 | 31 | 26 | 22 | | 26 | 22 | 19 | | 21 | 18 | 16 | 13 |
| 9 | 49 | 36 | 29 | 23 | 45 | 34 | 27 | 22 | 29 | 23 | 19 | | 24 | 20 | 17 | | 20 | 16 | 14 | 12 |
| 10 | 45 | 33 | 26 | 21 | 42 | 31 | 24 | 20 | 26 | 21 | 17 | | 22 | 18 | 15 | | 18 | 15 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9752 | 9752 | 9752 |
| 5° | 9782 | 9507 | 9512 |
| 10° | 9694 | 9287 | 9240 |
| 15° | 9570 | 9038 | 8945 |
| 20° | 9390 | 8755 | 8621 |
| 25° | 9171 | 8428 | 8278 |
| 30° | 8945 | 8133 | 7931 |
| 35° | 8692 | 7823 | 7655 |
| 40° | 8450 | 7540 | 7358 |
| 45° | 8182 | 7269 | 7122 |
| 50° | 7918 | 7000 | 6860 |
| 55° | 7627 | 6725 | 6625 |
| 60° | 7343 | 6446 | 6385 |
| 65° | 7051 | 6149 | 6098 |
| 70° | 6611 | 5815 | 5805 |
| 75° | 6055 | 5432 | 5506 |
| 80° | 5416 | 5056 | 5164 |
| 85° | 4828 | 4799 | 4966 |



TEST NUMBER: P331978-830

CATALOG NUMBER: S123DIP-S775D805U830-4F0-1E-UDD-D4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 85.9 | 1.5 |
| 10°-20° | 244.8 | 4.2 |
| 20°-30° | 366.2 | 6.3 |
| 30°-40° | 437.3 | 7.6 |
| 40°-50° | 457.5 | 7.9 |
| 50°-60° | 429.4 | 7.4 |
| 60°-70° | 358.6 | 6.2 |
| 70°-80° | 256.6 | 4.4 |
| 80°-90° | 155.8 | 2.7 |
| 90°-100° | 298.6 | 5.2 |
| 100°-110° | 644.2 | 11.1 |
| 110°-120° | 611.4 | 10.6 |
| 120°-130° | 477.0 | 8.2 |
| 130°-140° | 367.0 | 6.3 |
| 140°-150° | 267.5 | 4.6 |
| 150°-160° | 184.6 | 3.2 |
| 160°-170° | 108.5 | 1.9 |
| 170°-180° | 35.3 | 0.6 |
| 0°-30° | 696.9 | 12.0 |
| 0°-40° | 1134.2 | 19.6 |
| 0°-60° | 2021.1 | 34.9 |
| 0°-90° | 2792.1 | 48.3 |
| 90°-120° | 1554.2 | 26.9 |
| 90°-150° | 2665.7 | 46.1 |
| 90°-180° | 2994.0 | 51.7 |
| 0°-180° | 5786.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|------|------|
| 0° | 906 | 906 | 906 | 906 | 906 | |
| 5° | 907 | 905 | 899 | 906 | 906 | 86 |
| 15° | 864 | 866 | 866 | 875 | 874 | 243 |
| 25° | 780 | 789 | 792 | 805 | 805 | 359 |
| 35° | 671 | 687 | 700 | 714 | 718 | 420 |
| 45° | 549 | 572 | 597 | 615 | 624 | 423 |
| 55° | 418 | 451 | 486 | 512 | 521 | 375 |
| 65° | 289 | 328 | 371 | 400 | 411 | 286 |
| 75° | 157 | 203 | 253 | 284 | 297 | 168 |
| 85° | 48 | 98 | 150 | 182 | 193 | 51 |
| 90° | 14 | 70 | 130 | 164 | 176 | 10 |
| 95° | 36 | 131 | 535 | 255 | 224 | 36 |
| 105° | 93 | 159 | 666 | 1137 | 1048 | 99 |
| 115° | 156 | 206 | 506 | 1069 | 1224 | 155 |
| 125° | 213 | 253 | 455 | 818 | 958 | 189 |
| 135° | 248 | 295 | 429 | 660 | 763 | 192 |
| 145° | 282 | 322 | 412 | 525 | 582 | 176 |
| 155° | 319 | 344 | 399 | 453 | 472 | 147 |
| 165° | 349 | 358 | 382 | 405 | 412 | 98 |
| 175° | 363 | 364 | 366 | 371 | 371 | 34 |
| 180° | 364 | 364 | 364 | 364 | 364 | |



TEST NUMBER: P331978-830

CATALOG NUMBER: S123DIP-S775D805U830-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 906.0 | 906.0 | 906.0 | 906.0 | 906.0 | 906.0 | 906.0 | 906.0 | 906.0 | 906.0 | 906.0 |
| 2.5° | 909.9 | 909.4 | 908.9 | 908.3 | 907.9 | 906.8 | 905.5 | 904.1 | 902.7 | 901.3 | 902.7 |
| 5° | 907.0 | 906.5 | 906.1 | 905.7 | 905.2 | 904.4 | 903.1 | 901.7 | 900.4 | 899.1 | 900.9 |
| 7.5° | 898.1 | 898.1 | 898.2 | 898.3 | 898.4 | 897.9 | 896.5 | 895.3 | 894.0 | 892.8 | 894.9 |
| 10° | 890.2 | 890.6 | 891.1 | 891.6 | 891.9 | 891.6 | 890.5 | 889.5 | 888.3 | 887.2 | 889.5 |
| 12.5° | 880.7 | 881.4 | 881.9 | 882.6 | 883.2 | 883.2 | 882.4 | 881.7 | 880.9 | 880.1 | 882.1 |
| 15° | 863.6 | 864.2 | 864.9 | 865.5 | 866.2 | 866.4 | 866.2 | 866.0 | 865.7 | 865.5 | 867.7 |
| 17.5° | 841.9 | 843.2 | 844.5 | 845.7 | 847.1 | 847.7 | 847.6 | 847.5 | 847.4 | 847.3 | 849.3 |
| 20° | 826.0 | 827.4 | 828.7 | 830.0 | 831.3 | 832.2 | 832.6 | 833.1 | 833.5 | 834.0 | 835.9 |
| 22.5° | 809.5 | 810.8 | 812.1 | 813.4 | 814.7 | 815.7 | 816.3 | 816.9 | 817.6 | 818.1 | 820.7 |
| 25° | 779.7 | 781.8 | 784.0 | 786.3 | 788.4 | 789.9 | 790.5 | 791.2 | 791.8 | 792.5 | 795.3 |
| 27.5° | 749.7 | 752.1 | 754.7 | 757.1 | 759.7 | 761.6 | 763.0 | 764.4 | 765.8 | 767.2 | 769.7 |
| 30° | 728.3 | 731.2 | 734.1 | 736.9 | 739.7 | 742.1 | 743.8 | 745.6 | 747.3 | 749.0 | 751.7 |
| 32.5° | 704.6 | 707.8 | 711.1 | 714.3 | 717.5 | 720.2 | 722.5 | 724.8 | 727.1 | 729.3 | 732.2 |
| 35° | 671.1 | 674.6 | 678.2 | 681.6 | 685.1 | 688.3 | 691.2 | 694.0 | 696.9 | 699.7 | 703.0 |
| 37.5° | 635.6 | 639.5 | 643.5 | 647.4 | 651.4 | 655.1 | 658.6 | 662.1 | 665.6 | 669.1 | 672.9 |
| 40° | 611.9 | 615.9 | 619.8 | 623.8 | 627.6 | 631.9 | 636.2 | 640.6 | 645.0 | 649.4 | 653.1 |
| 42.5° | 585.8 | 590.7 | 595.5 | 600.3 | 605.1 | 609.8 | 614.3 | 619.0 | 623.5 | 628.1 | 632.2 |
| 45° | 548.7 | 554.0 | 559.2 | 564.5 | 569.8 | 575.1 | 580.6 | 586.1 | 591.6 | 597.1 | 601.2 |
| 47.5° | 509.8 | 515.9 | 521.8 | 527.7 | 533.7 | 539.8 | 546.1 | 552.3 | 558.6 | 564.9 | 569.6 |
| 50° | 484.6 | 490.7 | 496.8 | 503.0 | 509.2 | 515.6 | 522.5 | 529.2 | 536.0 | 542.8 | 547.8 |
| 52.5° | 457.7 | 464.2 | 470.7 | 477.2 | 483.7 | 490.7 | 498.2 | 505.7 | 513.2 | 520.7 | 525.9 |
| 55° | 418.5 | 425.7 | 432.9 | 440.2 | 447.4 | 455.0 | 462.9 | 470.8 | 478.6 | 486.5 | 492.5 |
| 57.5° | 380.1 | 387.7 | 395.2 | 402.7 | 410.4 | 418.4 | 427.1 | 435.7 | 444.3 | 453.0 | 458.9 |
| 60° | 353.4 | 361.2 | 369.1 | 377.0 | 384.9 | 393.3 | 402.4 | 411.3 | 420.3 | 429.3 | 435.5 |
| 62.5° | 328.0 | 336.1 | 344.2 | 352.2 | 360.3 | 369.1 | 378.6 | 388.1 | 397.7 | 407.2 | 413.3 |
| 65° | 289.2 | 297.7 | 306.2 | 314.8 | 323.4 | 332.4 | 342.1 | 351.8 | 361.5 | 371.1 | 377.7 |
| 67.5° | 249.7 | 258.7 | 267.9 | 276.9 | 286.0 | 295.5 | 305.3 | 315.1 | 324.9 | 334.8 | 342.0 |
| 70° | 222.1 | 231.5 | 240.9 | 250.3 | 259.8 | 269.8 | 280.3 | 290.8 | 301.3 | 311.9 | 318.9 |
| 72.5° | 196.8 | 206.2 | 215.7 | 225.1 | 234.5 | 244.7 | 255.5 | 266.5 | 277.3 | 288.1 | 295.4 |
| 75° | 156.9 | 167.2 | 177.6 | 187.8 | 198.1 | 208.8 | 219.7 | 230.7 | 241.7 | 252.7 | 259.9 |
| 77.5° | 122.2 | 132.6 | 143.0 | 153.4 | 163.7 | 174.5 | 185.6 | 196.6 | 207.6 | 218.7 | 226.3 |
| 80° | 97.7 | 108.5 | 119.2 | 130.0 | 140.7 | 151.7 | 163.2 | 174.6 | 186.0 | 197.4 | 204.8 |
| 82.5° | 76.3 | 87.3 | 98.2 | 109.1 | 120.1 | 131.3 | 142.9 | 154.5 | 166.1 | 177.7 | 185.1 |
| 85° | 48.4 | 59.3 | 70.3 | 81.2 | 92.2 | 103.5 | 115.2 | 126.8 | 138.4 | 150.1 | 157.5 |
| 87.5° | 26.6 | 37.8 | 49.0 | 60.3 | 71.5 | 82.9 | 94.5 | 106.1 | 117.8 | 129.4 | 136.8 |
| 90° | 14.3 | 26.5 | 38.7 | 51.7 | 63.9 | 76.3 | 89.7 | 103.1 | 116.6 | 130.0 | 136.7 |
| 92.5° | 21.2 | 35.3 | 51.2 | 66.6 | 82.5 | 103.8 | 134.0 | 176.7 | 218.9 | 218.6 | 197.9 |
| 95° | 35.9 | 46.7 | 63.3 | 84.5 | 112.2 | 150.5 | 223.9 | 344.4 | 476.1 | 534.7 | 458.9 |
| 97.5° | 52.4 | 60.9 | 74.9 | 93.6 | 120.2 | 160.2 | 230.4 | 364.4 | 576.1 | 767.8 | 821.6 |
| 100° | 63.4 | 71.2 | 83.3 | 100.7 | 125.4 | 162.7 | 224.3 | 343.5 | 547.4 | 783.7 | 935.2 |
| 102.5° | 75.0 | 82.7 | 93.5 | 109.6 | 131.8 | 166.3 | 222.5 | 325.0 | 507.5 | 740.6 | 936.2 |
| 105° | 93.4 | 100.9 | 110.6 | 124.6 | 143.9 | 174.1 | 223.3 | 308.7 | 457.3 | 666.5 | 884.1 |
| 107.5° | 112.0 | 118.7 | 127.3 | 140.5 | 158.2 | 186.1 | 230.0 | 302.0 | 423.2 | 600.3 | 798.2 |
| 110° | 125.3 | 131.5 | 139.1 | 151.2 | 167.6 | 194.6 | 236.6 | 301.3 | 408.9 | 562.8 | 744.6 |



TEST NUMBER: P331978-830

CATALOG NUMBER: S123DIP-S775D805U830-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 138.3 | 143.7 | 150.6 | 162.0 | 177.8 | 203.7 | 242.9 | 303.2 | 398.6 | 535.6 | 696.6 |
| 115° | 156.0 | 161.6 | 168.6 | 178.6 | 193.8 | 219.0 | 254.9 | 307.7 | 390.8 | 505.5 | 638.3 |
| 117.5° | 174.6 | 179.6 | 184.8 | 193.2 | 208.9 | 231.8 | 266.9 | 314.4 | 385.7 | 484.5 | 599.9 |
| 120° | 186.7 | 190.0 | 194.8 | 203.2 | 218.4 | 240.9 | 274.8 | 320.3 | 384.3 | 474.0 | 579.3 |
| 122.5° | 197.9 | 200.7 | 204.9 | 213.5 | 227.4 | 250.8 | 283.6 | 325.8 | 384.7 | 465.9 | 561.6 |
| 125° | 213.0 | 214.4 | 218.9 | 227.0 | 241.0 | 264.1 | 296.2 | 335.0 | 385.6 | 454.6 | 538.0 |
| 127.5° | 225.2 | 227.2 | 232.4 | 240.4 | 255.7 | 278.1 | 308.3 | 342.8 | 387.9 | 446.0 | 516.5 |
| 130° | 232.9 | 234.9 | 241.3 | 249.9 | 265.1 | 287.1 | 315.8 | 348.3 | 389.5 | 440.3 | 504.2 |
| 132.5° | 238.0 | 240.7 | 247.9 | 258.4 | 273.9 | 294.9 | 322.2 | 353.1 | 389.9 | 435.7 | 492.4 |
| 135° | 248.1 | 250.8 | 258.7 | 269.6 | 284.8 | 305.8 | 331.0 | 358.5 | 390.4 | 429.0 | 476.4 |
| 137.5° | 257.6 | 260.5 | 268.3 | 279.9 | 295.1 | 314.1 | 337.4 | 362.7 | 390.2 | 422.5 | 462.4 |
| 140° | 263.3 | 267.0 | 274.4 | 286.2 | 300.9 | 319.6 | 341.7 | 364.5 | 390.1 | 418.9 | 453.8 |
| 142.5° | 270.4 | 273.3 | 281.1 | 291.5 | 306.1 | 323.3 | 344.2 | 365.9 | 389.3 | 414.5 | 445.5 |
| 145° | 281.7 | 283.7 | 290.1 | 301.0 | 313.3 | 330.2 | 349.3 | 369.2 | 389.8 | 411.9 | 437.2 |
| 147.5° | 292.3 | 293.6 | 300.1 | 309.6 | 321.7 | 336.2 | 353.7 | 371.6 | 389.8 | 409.2 | 429.8 |
| 150° | 299.9 | 300.7 | 306.5 | 316.1 | 326.4 | 339.7 | 356.7 | 372.1 | 389.8 | 406.8 | 425.2 |
| 152.5° | 307.6 | 307.7 | 313.6 | 322.1 | 331.1 | 343.8 | 358.4 | 373.3 | 388.0 | 403.8 | 420.5 |
| 155° | 319.1 | 319.1 | 323.5 | 330.8 | 338.9 | 349.3 | 361.8 | 373.6 | 386.2 | 398.7 | 413.4 |
| 157.5° | 328.2 | 328.8 | 332.3 | 338.8 | 345.7 | 353.7 | 363.7 | 374.4 | 383.6 | 394.1 | 405.5 |
| 160° | 335.3 | 335.3 | 338.3 | 344.1 | 349.3 | 356.7 | 365.5 | 374.4 | 382.5 | 390.6 | 400.1 |
| 162.5° | 340.6 | 340.6 | 343.0 | 347.7 | 352.2 | 358.4 | 366.1 | 373.7 | 380.1 | 387.0 | 394.8 |
| 165° | 348.6 | 347.8 | 349.3 | 353.0 | 355.9 | 361.1 | 366.9 | 372.1 | 376.5 | 381.7 | 387.6 |
| 167.5° | 354.6 | 353.7 | 354.5 | 357.2 | 359.3 | 362.6 | 366.8 | 371.0 | 373.1 | 376.5 | 380.7 |
| 170° | 358.2 | 356.7 | 357.4 | 359.6 | 361.1 | 362.6 | 366.3 | 369.2 | 370.7 | 372.9 | 376.5 |
| 172.5° | 360.5 | 359.6 | 359.8 | 361.4 | 362.2 | 363.2 | 366.3 | 368.6 | 368.9 | 369.9 | 372.4 |
| 175° | 363.3 | 362.6 | 361.8 | 363.3 | 363.3 | 364.0 | 365.5 | 366.9 | 366.3 | 366.3 | 367.7 |
| 177.5° | 364.6 | 364.0 | 363.4 | 364.0 | 364.0 | 364.0 | 364.6 | 365.8 | 364.6 | 364.0 | 364.6 |
| 180° | 364.0 | 364.0 | 364.0 | 364.0 | 364.0 | 364.0 | 364.0 | 364.0 | 364.0 | 364.0 | 364.0 |



TEST NUMBER: P331978-830

CATALOG NUMBER: S123DIP-S775D805U830-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 906.0 | 906.0 | 906.0 | 906.0 | 906.0 | 906.0 | 906.0 | 906.0 |
| 2.5° | 904.1 | 905.5 | 906.8 | 907.5 | 907.3 | 907.1 | 906.9 | 906.8 |
| 5° | 902.6 | 904.4 | 906.1 | 906.8 | 906.6 | 906.4 | 906.3 | 906.0 |
| 7.5° | 897.1 | 899.4 | 901.5 | 902.5 | 902.2 | 902.0 | 901.7 | 901.4 |
| 10° | 891.6 | 893.8 | 896.0 | 896.9 | 896.5 | 896.0 | 895.6 | 895.1 |
| 12.5° | 884.2 | 886.2 | 888.2 | 889.0 | 888.5 | 888.2 | 887.7 | 887.2 |
| 15° | 869.9 | 872.1 | 874.3 | 875.2 | 875.1 | 874.9 | 874.6 | 874.4 |
| 17.5° | 851.3 | 853.3 | 855.3 | 856.1 | 855.8 | 855.5 | 855.2 | 854.9 |
| 20° | 837.9 | 839.9 | 841.9 | 842.9 | 843.2 | 843.4 | 843.6 | 843.9 |
| 22.5° | 823.1 | 825.7 | 828.1 | 829.3 | 829.2 | 829.1 | 829.0 | 828.8 |
| 25° | 798.2 | 801.1 | 803.9 | 805.3 | 805.3 | 805.3 | 805.3 | 805.3 |
| 27.5° | 772.1 | 774.6 | 777.0 | 778.4 | 778.5 | 778.7 | 778.9 | 779.1 |
| 30° | 754.3 | 757.0 | 759.6 | 760.9 | 760.9 | 760.9 | 760.9 | 760.9 |
| 32.5° | 734.9 | 737.7 | 740.6 | 742.3 | 742.7 | 743.3 | 743.8 | 744.3 |
| 35° | 706.3 | 709.6 | 712.8 | 715.0 | 715.9 | 716.7 | 717.6 | 718.5 |
| 37.5° | 676.6 | 680.3 | 684.0 | 686.3 | 686.9 | 687.7 | 688.3 | 689.1 |
| 40° | 656.9 | 660.5 | 664.3 | 666.6 | 667.5 | 668.4 | 669.2 | 670.1 |
| 42.5° | 636.2 | 640.3 | 644.4 | 647.1 | 648.3 | 649.5 | 650.7 | 652.0 |
| 45° | 605.4 | 609.5 | 613.8 | 616.7 | 618.5 | 620.2 | 622.0 | 623.8 |
| 47.5° | 574.3 | 579.0 | 583.7 | 586.7 | 588.1 | 589.5 | 590.8 | 592.1 |
| 50° | 552.9 | 557.9 | 563.0 | 566.3 | 567.8 | 569.3 | 570.9 | 572.4 |
| 52.5° | 531.1 | 536.4 | 541.6 | 545.2 | 547.1 | 548.9 | 550.8 | 552.7 |
| 55° | 498.4 | 504.4 | 510.2 | 514.1 | 515.9 | 517.6 | 519.3 | 521.1 |
| 57.5° | 465.0 | 470.9 | 476.8 | 480.9 | 483.0 | 485.0 | 487.0 | 489.1 |
| 60° | 441.6 | 447.7 | 453.8 | 458.2 | 460.5 | 463.0 | 465.4 | 467.8 |
| 62.5° | 419.5 | 425.7 | 431.8 | 435.9 | 438.2 | 440.5 | 442.7 | 444.9 |
| 65° | 384.3 | 390.8 | 397.4 | 401.8 | 404.0 | 406.1 | 408.4 | 410.6 |
| 67.5° | 349.1 | 356.4 | 363.5 | 368.1 | 369.9 | 371.7 | 373.6 | 375.4 |
| 70° | 325.9 | 332.9 | 340.0 | 344.5 | 346.8 | 348.9 | 351.1 | 353.4 |
| 72.5° | 302.6 | 309.7 | 317.0 | 321.7 | 323.9 | 326.0 | 328.2 | 330.5 |
| 75° | 267.1 | 274.4 | 281.6 | 286.5 | 289.2 | 291.8 | 294.5 | 297.1 |
| 77.5° | 233.9 | 241.6 | 249.2 | 254.0 | 256.1 | 258.1 | 260.1 | 262.1 |
| 80° | 212.3 | 219.7 | 227.2 | 232.1 | 234.2 | 236.4 | 238.7 | 240.8 |
| 82.5° | 192.6 | 200.0 | 207.5 | 212.3 | 214.5 | 216.7 | 218.9 | 221.0 |
| 85° | 164.9 | 172.4 | 179.8 | 184.6 | 186.8 | 189.1 | 191.2 | 193.4 |
| 87.5° | 144.3 | 151.9 | 159.6 | 164.7 | 166.7 | 169.1 | 171.4 | 173.4 |
| 90° | 144.9 | 153.1 | 161.3 | 167.6 | 169.0 | 171.9 | 174.8 | 176.3 |
| 92.5° | 181.8 | 176.3 | 177.8 | 178.6 | 179.3 | 179.1 | 181.9 | 182.6 |
| 95° | 376.5 | 297.9 | 265.6 | 243.6 | 231.8 | 227.3 | 224.4 | 223.7 |
| 97.5° | 765.0 | 639.9 | 551.4 | 467.6 | 415.4 | 384.5 | 366.7 | 362.6 |
| 100° | 967.4 | 914.1 | 834.2 | 733.9 | 661.6 | 610.0 | 583.4 | 586.4 |
| 102.5° | 1031.2 | 1035.6 | 991.5 | 929.3 | 873.6 | 833.2 | 811.3 | 796.6 |
| 105° | 1044.2 | 1124.1 | 1144.2 | 1129.2 | 1097.2 | 1071.2 | 1049.6 | 1047.8 |
| 107.5° | 978.7 | 1104.3 | 1174.8 | 1204.9 | 1207.4 | 1199.9 | 1193.9 | 1189.0 |
| 110° | 919.1 | 1060.4 | 1158.9 | 1214.2 | 1236.6 | 1244.3 | 1244.5 | 1244.8 |



TEST NUMBER: P331978-830

CATALOG NUMBER: S123DIP-S775D805U830-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 859.1 | 1003.2 | 1112.8 | 1182.8 | 1222.5 | 1242.6 | 1250.2 | 1252.5 |
| 115° | 779.9 | 913.3 | 1026.9 | 1110.7 | 1167.7 | 1201.9 | 1218.4 | 1223.9 |
| 117.5° | 720.2 | 836.1 | 938.6 | 1023.6 | 1082.9 | 1121.8 | 1144.7 | 1151.4 |
| 120° | 688.2 | 792.8 | 886.2 | 963.9 | 1023.7 | 1066.5 | 1085.7 | 1091.7 |
| 122.5° | 662.1 | 757.1 | 843.9 | 916.2 | 969.4 | 1008.1 | 1029.1 | 1036.2 |
| 125° | 626.6 | 711.5 | 786.9 | 848.9 | 897.6 | 931.6 | 951.5 | 958.2 |
| 127.5° | 594.8 | 670.8 | 739.0 | 795.5 | 839.1 | 868.2 | 886.4 | 892.6 |
| 130° | 574.6 | 645.1 | 709.0 | 761.8 | 802.2 | 830.0 | 846.8 | 854.0 |
| 132.5° | 555.5 | 620.6 | 680.1 | 730.7 | 768.8 | 796.8 | 812.0 | 817.7 |
| 135° | 529.7 | 586.0 | 637.8 | 682.3 | 719.5 | 742.7 | 757.1 | 763.4 |
| 137.5° | 505.9 | 552.2 | 596.9 | 635.7 | 667.0 | 690.6 | 702.9 | 707.4 |
| 140° | 491.7 | 532.6 | 571.3 | 605.1 | 634.2 | 655.9 | 668.8 | 669.2 |
| 142.5° | 477.9 | 513.0 | 546.7 | 576.3 | 601.2 | 620.6 | 632.3 | 632.6 |
| 145° | 462.6 | 488.7 | 514.0 | 536.7 | 556.0 | 572.3 | 579.1 | 581.5 |
| 147.5° | 450.3 | 470.1 | 489.7 | 505.5 | 520.3 | 531.5 | 537.9 | 539.3 |
| 150° | 442.1 | 459.1 | 474.6 | 488.8 | 500.3 | 508.8 | 513.7 | 514.2 |
| 152.5° | 435.6 | 450.3 | 463.9 | 475.6 | 484.5 | 492.0 | 494.7 | 494.8 |
| 155° | 425.9 | 437.7 | 448.7 | 457.6 | 464.2 | 470.1 | 471.6 | 472.3 |
| 157.5° | 415.6 | 425.5 | 434.0 | 440.9 | 446.7 | 451.1 | 452.3 | 452.1 |
| 160° | 409.7 | 417.8 | 425.2 | 430.4 | 435.5 | 439.9 | 439.9 | 439.2 |
| 162.5° | 402.7 | 409.5 | 416.3 | 420.9 | 424.3 | 428.1 | 428.1 | 427.4 |
| 165° | 393.5 | 397.9 | 403.1 | 406.8 | 409.7 | 412.6 | 411.9 | 411.9 |
| 167.5° | 385.5 | 388.9 | 391.9 | 394.5 | 395.9 | 397.9 | 397.2 | 397.2 |
| 170° | 380.2 | 382.5 | 385.4 | 386.9 | 387.6 | 389.1 | 388.3 | 388.3 |
| 172.5° | 375.5 | 377.1 | 379.5 | 380.4 | 380.5 | 382.0 | 380.7 | 380.1 |
| 175° | 369.2 | 369.9 | 371.4 | 371.4 | 371.4 | 372.1 | 371.4 | 370.7 |
| 177.5° | 365.2 | 365.8 | 366.4 | 366.4 | 365.8 | 366.4 | 365.2 | 365.2 |
| 180° | 364.0 | 364.0 | 364.0 | 364.0 | 364.0 | 364.0 | 364.0 | 364.0 |

(END OF REPORT)