

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: P332575-830

Luminaire Tested: **S124DIP-S575D1205U830-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332575-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIP-S575D1205U830-4F0-1E-UDD-D1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6165.2 lumens
Efficiency: N/A
Efficacy: 124.8 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-Indirect

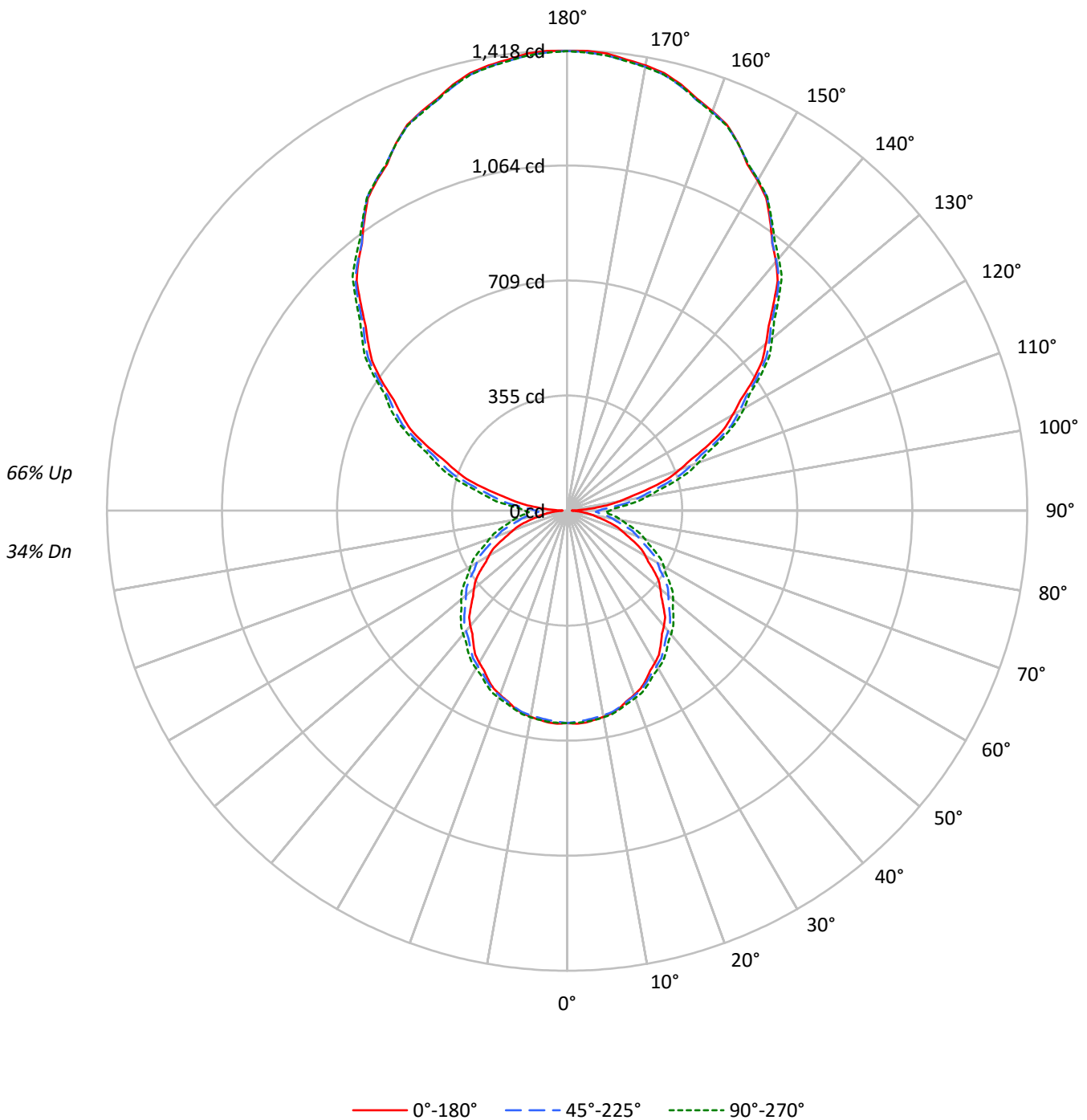
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332575-830

CATALOG NUMBER: S124DIP-S575D1205U830-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P332575-830

CATALOG NUMBER: S124DIP-S575D1205U830-4F0-1E-UDD-D1

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 | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 74 | 74 | 74 | 57 | 57 | 57 | 41 | 41 | 41 | 34 |
| 1 | 93 | 89 | 85 | 81 | 84 | 80 | 77 | 74 | 64 | 61 | 59 | 49 | 47 | 46 | 35 | 34 | 33 | 27 |
| 2 | 85 | 77 | 71 | 66 | 76 | 70 | 64 | 60 | 56 | 52 | 48 | 43 | 40 | 38 | 30 | 29 | 27 | 22 |
| 3 | 77 | 68 | 60 | 54 | 69 | 61 | 55 | 50 | 49 | 44 | 40 | 37 | 34 | 32 | 27 | 25 | 23 | 18 |
| 4 | 70 | 60 | 52 | 46 | 63 | 54 | 47 | 42 | 43 | 38 | 34 | 33 | 30 | 27 | 24 | 21 | 20 | 15 |
| 5 | 64 | 53 | 45 | 39 | 58 | 48 | 41 | 36 | 38 | 33 | 29 | 30 | 26 | 23 | 21 | 19 | 17 | 13 |
| 6 | 59 | 47 | 39 | 33 | 53 | 43 | 36 | 31 | 34 | 29 | 25 | 27 | 23 | 20 | 19 | 17 | 15 | 12 |
| 7 | 55 | 42 | 35 | 29 | 49 | 38 | 32 | 27 | 31 | 26 | 22 | 24 | 20 | 17 | 17 | 15 | 13 | 10 |
| 8 | 51 | 38 | 31 | 25 | 45 | 35 | 28 | 23 | 28 | 23 | 19 | 22 | 18 | 15 | 16 | 13 | 12 | 9 |
| 9 | 47 | 35 | 27 | 22 | 42 | 32 | 25 | 21 | 26 | 21 | 17 | 20 | 16 | 14 | 15 | 12 | 10 | 8 |
| 10 | 44 | 32 | 25 | 20 | 39 | 29 | 23 | 18 | 24 | 19 | 15 | 18 | 15 | 12 | 14 | 11 | 9 | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 5288 | 5288 | 5288 |
| 5° | 5304 | 5168 | 5182 |
| 10° | 5272 | 5083 | 5079 |
| 15° | 5225 | 4985 | 4958 |
| 20° | 5153 | 4877 | 4840 |
| 25° | 5073 | 4756 | 4710 |
| 30° | 4986 | 4636 | 4576 |
| 35° | 4887 | 4512 | 4460 |
| 40° | 4809 | 4395 | 4338 |
| 45° | 4692 | 4287 | 4233 |
| 50° | 4593 | 4163 | 4123 |
| 55° | 4491 | 4045 | 3993 |
| 60° | 4332 | 3894 | 3876 |
| 65° | 4156 | 3735 | 3731 |
| 70° | 3945 | 3551 | 3561 |
| 75° | 3649 | 3349 | 3408 |
| 80° | 3322 | 3156 | 3259 |
| 85° | 2903 | 2980 | 3172 |



TEST NUMBER: P332575-830

CATALOG NUMBER: S124DIP-S575D1205U830-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 62.0 | 1.0 |
| 10°-20° | 177.7 | 2.9 |
| 20°-30° | 268.7 | 4.4 |
| 30°-40° | 325.1 | 5.3 |
| 40°-50° | 343.7 | 5.6 |
| 50°-60° | 323.5 | 5.2 |
| 60°-70° | 268.4 | 4.4 |
| 70°-80° | 188.5 | 3.1 |
| 80°-90° | 110.8 | 1.8 |
| 90°-100° | 156.7 | 2.5 |
| 100°-110° | 323.5 | 5.2 |
| 110°-120° | 501.0 | 8.1 |
| 120°-130° | 636.9 | 10.3 |
| 130°-140° | 703.0 | 11.4 |
| 140°-150° | 684.8 | 11.1 |
| 150°-160° | 574.7 | 9.3 |
| 160°-170° | 382.4 | 6.2 |
| 170°-180° | 133.9 | 2.2 |
| 0°-30° | 508.4 | 8.2 |
| 0°-40° | 833.5 | 13.5 |
| 0°-60° | 1500.7 | 24.3 |
| 0°-90° | 2068.4 | 33.5 |
| 90°-120° | 981.2 | 15.9 |
| 90°-150° | 3005.9 | 48.8 |
| 90°-180° | 4097.0 | 66.5 |
| 0°-180° | 6165.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 655 | 655 | 655 | 655 | 655 | |
| 5° | 656 | 653 | 648 | 654 | 654 | 62 |
| 15° | 629 | 629 | 627 | 633 | 633 | 177 |
| 25° | 575 | 579 | 582 | 589 | 590 | 265 |
| 35° | 503 | 512 | 519 | 529 | 532 | 315 |
| 45° | 420 | 433 | 447 | 459 | 464 | 324 |
| 55° | 329 | 344 | 366 | 380 | 385 | 293 |
| 65° | 227 | 251 | 276 | 293 | 300 | 225 |
| 75° | 126 | 153 | 184 | 204 | 211 | 134 |
| 85° | 39 | 70 | 103 | 124 | 132 | 41 |
| 90° | 15 | 56 | 97 | 124 | 133 | 12 |
| 95° | 75 | 110 | 147 | 169 | 177 | 81 |
| 105° | 262 | 278 | 309 | 330 | 340 | 278 |
| 115° | 482 | 489 | 510 | 524 | 529 | 475 |
| 125° | 698 | 699 | 715 | 726 | 729 | 622 |
| 135° | 898 | 905 | 910 | 919 | 921 | 695 |
| 145° | 1090 | 1094 | 1095 | 1098 | 1098 | 682 |
| 155° | 1248 | 1248 | 1247 | 1251 | 1247 | 574 |
| 165° | 1359 | 1356 | 1354 | 1359 | 1356 | 383 |
| 175° | 1414 | 1408 | 1407 | 1414 | 1407 | 134 |
| 180° | 1416 | 1416 | 1416 | 1416 | 1416 | |



TEST NUMBER: P332575-830

CATALOG NUMBER: S124DIP-S575D1205U830-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 655.0 | 655.0 | 655.0 | 655.0 | 655.0 | 655.0 | 655.0 | 655.0 | 655.0 | 655.0 | 655.0 |
| 2.5° | 657.3 | 657.0 | 656.6 | 656.1 | 655.7 | 655.1 | 654.0 | 653.0 | 651.9 | 650.8 | 651.8 |
| 5° | 655.7 | 655.3 | 654.7 | 654.2 | 653.7 | 652.9 | 651.8 | 650.6 | 649.5 | 648.4 | 649.7 |
| 7.5° | 650.2 | 649.8 | 649.5 | 649.2 | 648.9 | 648.4 | 647.4 | 646.5 | 645.5 | 644.5 | 646.0 |
| 10° | 645.5 | 645.3 | 645.1 | 645.0 | 644.8 | 644.3 | 643.5 | 642.6 | 641.9 | 641.0 | 642.5 |
| 12.5° | 638.9 | 638.9 | 638.9 | 638.9 | 638.9 | 638.6 | 638.0 | 637.4 | 636.9 | 636.3 | 637.6 |
| 15° | 628.6 | 628.8 | 628.9 | 629.1 | 629.2 | 629.1 | 628.6 | 628.1 | 627.5 | 627.1 | 628.6 |
| 17.5° | 614.3 | 614.8 | 615.3 | 615.8 | 616.3 | 616.5 | 616.4 | 616.3 | 616.2 | 616.1 | 617.6 |
| 20° | 604.4 | 604.8 | 605.3 | 605.9 | 606.3 | 606.6 | 606.8 | 607.0 | 607.1 | 607.3 | 608.9 |
| 22.5° | 593.2 | 593.8 | 594.5 | 595.0 | 595.7 | 596.2 | 596.4 | 596.7 | 597.0 | 597.3 | 599.0 |
| 25° | 575.0 | 576.0 | 577.0 | 578.0 | 578.9 | 579.7 | 580.1 | 580.6 | 581.2 | 581.6 | 583.4 |
| 27.5° | 554.8 | 556.2 | 557.6 | 559.1 | 560.5 | 561.6 | 562.3 | 563.1 | 563.8 | 564.6 | 566.3 |
| 30° | 541.3 | 542.6 | 543.8 | 545.2 | 546.5 | 547.7 | 548.8 | 550.0 | 551.1 | 552.3 | 554.1 |
| 32.5° | 526.6 | 528.2 | 529.7 | 531.3 | 532.9 | 534.3 | 535.6 | 536.9 | 538.1 | 539.4 | 541.4 |
| 35° | 503.1 | 505.1 | 507.1 | 509.0 | 511.0 | 512.7 | 514.3 | 516.0 | 517.6 | 519.2 | 521.6 |
| 37.5° | 479.6 | 481.7 | 484.0 | 486.3 | 488.5 | 490.7 | 492.7 | 494.7 | 496.7 | 498.7 | 501.1 |
| 40° | 464.3 | 466.4 | 468.5 | 470.6 | 472.8 | 474.9 | 477.2 | 479.5 | 481.8 | 484.1 | 486.5 |
| 42.5° | 446.7 | 449.0 | 451.4 | 453.8 | 456.2 | 458.7 | 461.4 | 464.0 | 466.7 | 469.4 | 472.1 |
| 45° | 419.5 | 422.6 | 425.7 | 428.9 | 431.9 | 435.0 | 438.1 | 441.2 | 444.3 | 447.4 | 450.2 |
| 47.5° | 393.6 | 396.7 | 399.9 | 403.1 | 406.3 | 409.7 | 413.3 | 416.9 | 420.5 | 424.0 | 427.0 |
| 50° | 374.8 | 378.3 | 381.9 | 385.6 | 389.2 | 392.8 | 396.3 | 399.9 | 403.5 | 407.1 | 410.3 |
| 52.5° | 356.0 | 359.6 | 363.2 | 366.7 | 370.3 | 374.2 | 378.3 | 382.4 | 386.5 | 390.6 | 393.9 |
| 55° | 328.6 | 332.0 | 335.5 | 338.8 | 342.2 | 346.4 | 351.3 | 356.2 | 361.1 | 366.0 | 369.3 |
| 57.5° | 297.9 | 302.2 | 306.4 | 310.7 | 314.9 | 319.4 | 324.2 | 329.1 | 334.0 | 338.8 | 342.7 |
| 60° | 278.0 | 282.2 | 286.4 | 290.7 | 294.9 | 299.7 | 305.1 | 310.5 | 315.8 | 321.2 | 325.0 |
| 62.5° | 258.6 | 263.3 | 267.9 | 272.5 | 277.1 | 282.1 | 287.5 | 292.8 | 298.3 | 303.7 | 307.4 |
| 65° | 227.3 | 232.6 | 237.8 | 243.0 | 248.3 | 253.6 | 259.1 | 264.7 | 270.2 | 275.8 | 279.8 |
| 67.5° | 197.3 | 202.8 | 208.4 | 214.0 | 219.4 | 225.2 | 231.1 | 237.0 | 243.0 | 248.9 | 253.1 |
| 70° | 176.7 | 182.3 | 187.8 | 193.4 | 199.0 | 204.8 | 210.9 | 217.2 | 223.4 | 229.6 | 233.9 |
| 72.5° | 156.8 | 162.5 | 168.1 | 173.8 | 179.5 | 185.6 | 192.2 | 198.8 | 205.4 | 212.0 | 216.2 |
| 75° | 126.1 | 132.1 | 138.2 | 144.2 | 150.2 | 156.7 | 163.5 | 170.4 | 177.3 | 184.1 | 188.7 |
| 77.5° | 97.6 | 104.0 | 110.4 | 116.7 | 123.1 | 129.9 | 137.0 | 144.2 | 151.4 | 158.5 | 163.2 |
| 80° | 79.9 | 86.4 | 93.0 | 99.5 | 106.0 | 112.8 | 120.1 | 127.2 | 134.4 | 141.6 | 146.5 |
| 82.5° | 62.3 | 69.1 | 75.9 | 82.7 | 89.4 | 96.4 | 103.6 | 110.7 | 117.9 | 125.2 | 130.2 |
| 85° | 38.8 | 45.7 | 52.6 | 59.4 | 66.3 | 73.3 | 80.7 | 88.0 | 95.4 | 102.6 | 107.5 |
| 87.5° | 22.3 | 29.6 | 36.8 | 43.9 | 51.1 | 58.4 | 66.0 | 73.5 | 81.1 | 88.6 | 93.6 |
| 90° | 15.0 | 24.2 | 33.4 | 42.6 | 51.8 | 60.9 | 69.8 | 78.8 | 87.8 | 96.7 | 102.9 |
| 92.5° | 34.6 | 43.5 | 52.4 | 61.4 | 70.3 | 79.0 | 87.4 | 95.7 | 104.1 | 112.4 | 117.9 |
| 95° | 75.2 | 82.8 | 90.4 | 97.9 | 105.5 | 113.5 | 121.9 | 130.3 | 138.6 | 147.0 | 152.1 |
| 97.5° | 123.4 | 129.8 | 136.2 | 142.5 | 148.9 | 156.5 | 165.0 | 173.6 | 182.3 | 190.9 | 196.0 |
| 100° | 161.4 | 166.5 | 171.8 | 177.0 | 182.2 | 189.1 | 197.7 | 206.2 | 214.7 | 223.3 | 228.2 |
| 102.5° | 201.7 | 205.8 | 209.9 | 214.0 | 218.1 | 224.2 | 232.5 | 240.7 | 248.9 | 257.1 | 262.1 |
| 105° | 261.7 | 265.2 | 268.7 | 272.3 | 275.8 | 281.0 | 288.0 | 295.0 | 302.0 | 309.1 | 313.9 |
| 107.5° | 326.2 | 329.1 | 332.2 | 335.1 | 338.1 | 342.5 | 348.4 | 354.2 | 360.1 | 365.9 | 370.6 |
| 110° | 369.4 | 372.2 | 374.9 | 377.8 | 380.5 | 384.7 | 390.1 | 395.5 | 401.0 | 406.4 | 409.7 |



TEST NUMBER: P332575-830

CATALOG NUMBER: S124DIP-S575D1205U830-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 414.4 | 416.5 | 418.6 | 420.8 | 422.8 | 426.4 | 431.4 | 436.4 | 441.5 | 446.5 | 450.0 |
| 115° | 481.8 | 483.3 | 484.7 | 486.3 | 487.7 | 490.8 | 495.5 | 500.3 | 505.0 | 509.7 | 513.0 |
| 117.5° | 546.1 | 547.1 | 548.3 | 549.3 | 550.4 | 553.2 | 557.7 | 562.2 | 566.8 | 571.3 | 573.8 |
| 120° | 588.4 | 589.8 | 591.4 | 592.8 | 594.3 | 597.0 | 601.0 | 605.0 | 609.0 | 613.0 | 615.0 |
| 122.5° | 633.1 | 633.6 | 634.0 | 634.5 | 635.1 | 637.3 | 641.5 | 645.6 | 649.7 | 653.8 | 656.3 |
| 125° | 698.3 | 698.1 | 698.0 | 697.8 | 697.7 | 699.5 | 703.3 | 707.1 | 711.0 | 714.8 | 717.4 |
| 127.5° | 757.9 | 758.5 | 759.0 | 759.6 | 760.2 | 761.9 | 764.6 | 767.3 | 770.1 | 772.8 | 775.2 |
| 130° | 799.4 | 799.9 | 800.5 | 801.1 | 801.6 | 803.2 | 805.9 | 808.4 | 811.1 | 813.7 | 816.1 |
| 132.5° | 842.4 | 842.7 | 843.1 | 843.5 | 843.8 | 844.9 | 846.9 | 848.8 | 850.6 | 852.5 | 854.8 |
| 135° | 898.3 | 899.8 | 901.3 | 902.7 | 904.2 | 905.4 | 906.6 | 907.8 | 908.9 | 910.0 | 912.1 |
| 137.5° | 960.1 | 960.5 | 961.1 | 961.6 | 962.1 | 962.9 | 963.8 | 964.8 | 965.7 | 966.7 | 968.4 |
| 140° | 1001.3 | 1001.5 | 1001.9 | 1002.2 | 1002.6 | 1002.8 | 1003.0 | 1003.1 | 1003.2 | 1003.4 | 1005.3 |
| 142.5° | 1038.3 | 1038.8 | 1039.2 | 1039.7 | 1040.1 | 1040.2 | 1039.9 | 1039.6 | 1039.3 | 1039.1 | 1040.8 |
| 145° | 1090.3 | 1091.1 | 1091.9 | 1092.7 | 1093.5 | 1094.1 | 1094.3 | 1094.6 | 1094.8 | 1095.0 | 1095.8 |
| 147.5° | 1142.0 | 1143.0 | 1144.0 | 1145.0 | 1146.0 | 1146.4 | 1146.2 | 1146.0 | 1145.8 | 1145.7 | 1145.6 |
| 150° | 1173.6 | 1174.3 | 1175.2 | 1175.9 | 1176.8 | 1177.1 | 1177.1 | 1177.1 | 1177.1 | 1177.1 | 1177.1 |
| 152.5° | 1202.7 | 1203.2 | 1203.8 | 1204.4 | 1204.9 | 1205.3 | 1205.5 | 1205.7 | 1205.9 | 1206.1 | 1206.6 |
| 155° | 1248.3 | 1248.3 | 1248.3 | 1248.3 | 1248.3 | 1248.2 | 1248.0 | 1247.7 | 1247.5 | 1247.3 | 1248.2 |
| 157.5° | 1286.9 | 1286.5 | 1286.0 | 1285.6 | 1285.2 | 1284.9 | 1284.9 | 1284.8 | 1284.8 | 1284.7 | 1285.4 |
| 160° | 1309.7 | 1309.5 | 1309.2 | 1308.9 | 1308.7 | 1308.4 | 1308.2 | 1308.0 | 1307.7 | 1307.5 | 1308.2 |
| 162.5° | 1330.7 | 1330.0 | 1329.5 | 1328.8 | 1328.1 | 1327.8 | 1327.5 | 1327.3 | 1327.0 | 1326.7 | 1328.0 |
| 165° | 1359.0 | 1358.2 | 1357.4 | 1356.8 | 1356.0 | 1355.4 | 1354.9 | 1354.4 | 1354.0 | 1353.5 | 1354.9 |
| 167.5° | 1380.6 | 1379.6 | 1378.6 | 1377.5 | 1376.6 | 1376.0 | 1376.1 | 1376.1 | 1376.2 | 1376.2 | 1377.7 |
| 170° | 1392.9 | 1391.7 | 1390.4 | 1389.2 | 1388.0 | 1387.5 | 1387.8 | 1388.0 | 1388.3 | 1388.6 | 1390.0 |
| 172.5° | 1401.7 | 1400.6 | 1399.6 | 1398.5 | 1397.6 | 1397.0 | 1397.1 | 1397.2 | 1397.2 | 1397.3 | 1398.9 |
| 175° | 1413.7 | 1412.5 | 1411.3 | 1410.0 | 1408.8 | 1408.1 | 1407.9 | 1407.6 | 1407.4 | 1407.1 | 1408.8 |
| 177.5° | 1417.7 | 1416.6 | 1415.7 | 1414.8 | 1413.7 | 1413.2 | 1413.2 | 1413.2 | 1413.2 | 1413.2 | 1414.7 |
| 180° | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 |



TEST NUMBER: P332575-830

CATALOG NUMBER: S124DIP-S575D1205U830-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 655.0 | 655.0 | 655.0 | 655.0 | 655.0 | 655.0 | 655.0 | 655.0 |
| 2.5° | 652.7 | 653.6 | 654.5 | 654.9 | 654.8 | 654.6 | 654.5 | 654.4 |
| 5° | 651.0 | 652.2 | 653.6 | 654.1 | 654.0 | 653.8 | 653.7 | 653.5 |
| 7.5° | 647.5 | 648.9 | 650.4 | 651.1 | 650.9 | 650.7 | 650.5 | 650.4 |
| 10° | 643.9 | 645.5 | 646.9 | 647.5 | 647.4 | 647.2 | 647.1 | 646.9 |
| 12.5° | 639.0 | 640.4 | 641.7 | 642.3 | 642.3 | 642.2 | 642.2 | 642.2 |
| 15° | 630.0 | 631.5 | 632.9 | 633.6 | 633.5 | 633.3 | 633.1 | 632.9 |
| 17.5° | 619.1 | 620.6 | 622.1 | 622.7 | 622.6 | 622.5 | 622.4 | 622.3 |
| 20° | 610.6 | 612.2 | 613.8 | 614.6 | 614.6 | 614.6 | 614.6 | 614.6 |
| 22.5° | 600.6 | 602.2 | 603.8 | 604.8 | 605.0 | 605.3 | 605.6 | 605.9 |
| 25° | 585.2 | 587.0 | 588.8 | 589.7 | 589.9 | 590.1 | 590.2 | 590.4 |
| 27.5° | 568.0 | 569.6 | 571.3 | 572.2 | 572.4 | 572.6 | 572.8 | 573.0 |
| 30° | 555.9 | 557.7 | 559.5 | 560.5 | 560.8 | 561.2 | 561.5 | 561.8 |
| 32.5° | 543.5 | 545.5 | 547.6 | 548.7 | 549.1 | 549.4 | 549.8 | 550.1 |
| 35° | 523.9 | 526.1 | 528.4 | 529.8 | 530.3 | 530.7 | 531.2 | 531.8 |
| 37.5° | 503.4 | 505.7 | 508.0 | 509.4 | 509.9 | 510.5 | 511.0 | 511.5 |
| 40° | 489.0 | 491.4 | 493.9 | 495.4 | 496.1 | 496.7 | 497.4 | 498.0 |
| 42.5° | 474.9 | 477.5 | 480.2 | 481.8 | 482.4 | 482.9 | 483.4 | 483.9 |
| 45° | 453.0 | 455.7 | 458.5 | 460.2 | 461.1 | 461.9 | 462.7 | 463.5 |
| 47.5° | 429.8 | 432.7 | 435.5 | 437.4 | 438.5 | 439.4 | 440.5 | 441.4 |
| 50° | 413.6 | 416.9 | 420.1 | 422.3 | 423.2 | 424.1 | 425.2 | 426.1 |
| 52.5° | 397.2 | 400.4 | 403.7 | 405.8 | 406.8 | 407.7 | 408.7 | 409.7 |
| 55° | 372.5 | 375.8 | 379.0 | 381.2 | 382.1 | 383.1 | 384.1 | 385.0 |
| 57.5° | 346.6 | 350.5 | 354.4 | 356.8 | 357.7 | 358.5 | 359.5 | 360.4 |
| 60° | 328.8 | 332.5 | 336.2 | 338.7 | 340.1 | 341.4 | 342.7 | 344.0 |
| 62.5° | 311.1 | 314.9 | 318.7 | 321.1 | 322.4 | 323.8 | 325.1 | 326.4 |
| 65° | 283.9 | 288.0 | 292.1 | 294.7 | 296.1 | 297.4 | 298.7 | 300.0 |
| 67.5° | 257.2 | 261.4 | 265.5 | 268.2 | 269.5 | 270.7 | 272.0 | 273.2 |
| 70° | 238.4 | 242.8 | 247.1 | 250.0 | 251.1 | 252.2 | 253.4 | 254.5 |
| 72.5° | 220.5 | 224.8 | 229.0 | 231.8 | 233.1 | 234.3 | 235.6 | 236.9 |
| 75° | 193.2 | 197.7 | 202.4 | 205.4 | 206.8 | 208.3 | 209.8 | 211.2 |
| 77.5° | 167.9 | 172.5 | 177.1 | 180.2 | 181.7 | 183.3 | 184.8 | 186.4 |
| 80° | 151.4 | 156.2 | 161.1 | 164.2 | 165.5 | 166.8 | 168.1 | 169.5 |
| 82.5° | 135.2 | 140.2 | 145.2 | 148.5 | 149.9 | 151.3 | 152.7 | 154.2 |
| 85° | 112.4 | 117.3 | 122.2 | 125.5 | 127.1 | 128.8 | 130.4 | 132.1 |
| 87.5° | 98.6 | 103.7 | 108.7 | 112.0 | 113.5 | 115.0 | 116.5 | 118.1 |
| 90° | 109.1 | 115.3 | 121.5 | 125.5 | 127.2 | 129.0 | 130.8 | 132.6 |
| 92.5° | 123.4 | 128.8 | 134.3 | 137.9 | 139.5 | 141.1 | 142.7 | 144.3 |
| 95° | 157.3 | 162.4 | 167.6 | 170.9 | 172.3 | 173.8 | 175.2 | 176.7 |
| 97.5° | 201.1 | 206.3 | 211.5 | 214.7 | 216.1 | 217.5 | 219.0 | 220.4 |
| 100° | 233.1 | 238.0 | 242.8 | 245.8 | 246.9 | 248.2 | 249.3 | 250.4 |
| 102.5° | 267.0 | 272.0 | 276.9 | 280.1 | 281.6 | 283.0 | 284.6 | 286.1 |
| 105° | 318.7 | 323.5 | 328.3 | 331.7 | 333.7 | 335.7 | 337.8 | 339.8 |
| 107.5° | 375.2 | 379.9 | 384.7 | 387.6 | 388.7 | 389.8 | 391.0 | 392.0 |
| 110° | 413.0 | 416.2 | 419.5 | 422.2 | 424.1 | 426.2 | 428.3 | 430.3 |



TEST NUMBER: P332575-830

CATALOG NUMBER: S124DIP-S575D1205U830-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 453.5 | 457.0 | 460.5 | 463.0 | 464.5 | 465.9 | 467.4 | 468.8 |
| 115° | 516.4 | 519.7 | 523.1 | 525.2 | 526.1 | 527.0 | 527.9 | 528.8 |
| 117.5° | 576.4 | 578.9 | 581.5 | 583.2 | 584.0 | 584.8 | 585.6 | 586.4 |
| 120° | 617.1 | 619.2 | 621.1 | 623.1 | 624.9 | 626.7 | 628.5 | 630.3 |
| 122.5° | 658.7 | 661.2 | 663.5 | 665.0 | 665.2 | 665.5 | 665.8 | 666.1 |
| 125° | 720.0 | 722.6 | 725.2 | 726.8 | 727.3 | 727.7 | 728.3 | 728.8 |
| 127.5° | 777.7 | 780.1 | 782.6 | 784.2 | 784.9 | 785.6 | 786.4 | 787.0 |
| 130° | 818.6 | 821.0 | 823.5 | 824.7 | 824.7 | 824.7 | 824.7 | 824.7 |
| 132.5° | 857.1 | 859.4 | 861.8 | 863.2 | 863.8 | 864.4 | 865.0 | 865.5 |
| 135° | 914.3 | 916.3 | 918.5 | 919.6 | 919.9 | 920.2 | 920.4 | 920.7 |
| 137.5° | 970.2 | 971.9 | 973.6 | 975.0 | 975.9 | 976.9 | 977.9 | 978.8 |
| 140° | 1007.2 | 1009.1 | 1011.0 | 1012.2 | 1012.8 | 1013.3 | 1013.9 | 1014.5 |
| 142.5° | 1042.6 | 1044.5 | 1046.3 | 1047.5 | 1048.1 | 1048.8 | 1049.4 | 1050.1 |
| 145° | 1096.6 | 1097.2 | 1098.0 | 1098.3 | 1098.3 | 1098.2 | 1098.1 | 1098.0 |
| 147.5° | 1145.5 | 1145.5 | 1145.4 | 1145.5 | 1145.8 | 1146.0 | 1146.3 | 1146.6 |
| 150° | 1177.1 | 1177.1 | 1177.1 | 1177.0 | 1176.8 | 1176.6 | 1176.3 | 1176.1 |
| 152.5° | 1207.2 | 1207.9 | 1208.4 | 1208.4 | 1207.8 | 1207.1 | 1206.5 | 1205.9 |
| 155° | 1249.2 | 1250.2 | 1251.1 | 1251.1 | 1250.2 | 1249.2 | 1248.2 | 1247.3 |
| 157.5° | 1286.2 | 1286.9 | 1287.6 | 1287.6 | 1286.8 | 1285.9 | 1285.1 | 1284.3 |
| 160° | 1308.9 | 1309.7 | 1310.4 | 1310.1 | 1308.9 | 1307.7 | 1306.6 | 1305.3 |
| 162.5° | 1329.4 | 1330.7 | 1332.0 | 1332.1 | 1330.9 | 1329.6 | 1328.4 | 1327.2 |
| 165° | 1356.4 | 1357.8 | 1359.3 | 1359.5 | 1358.6 | 1357.6 | 1356.6 | 1355.7 |
| 167.5° | 1379.1 | 1380.6 | 1382.1 | 1382.1 | 1380.5 | 1379.0 | 1377.5 | 1376.0 |
| 170° | 1391.5 | 1392.9 | 1394.4 | 1394.2 | 1392.5 | 1390.8 | 1389.1 | 1387.4 |
| 172.5° | 1400.6 | 1402.2 | 1403.9 | 1403.9 | 1402.1 | 1400.4 | 1398.7 | 1397.0 |
| 175° | 1410.5 | 1412.2 | 1413.9 | 1413.9 | 1412.2 | 1410.5 | 1408.8 | 1407.1 |
| 177.5° | 1416.0 | 1417.4 | 1418.7 | 1418.6 | 1417.0 | 1415.5 | 1413.9 | 1412.4 |
| 180° | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 |

(END OF REPORT)