

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: P332584-940

Luminaire Tested: **S124DIP-S795D365U940-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332584-940
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-S795D365U940-4F0-1E-UDD-D1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4018.9 lumens
Efficiency: N/A
Efficacy: 114.8 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-Direct

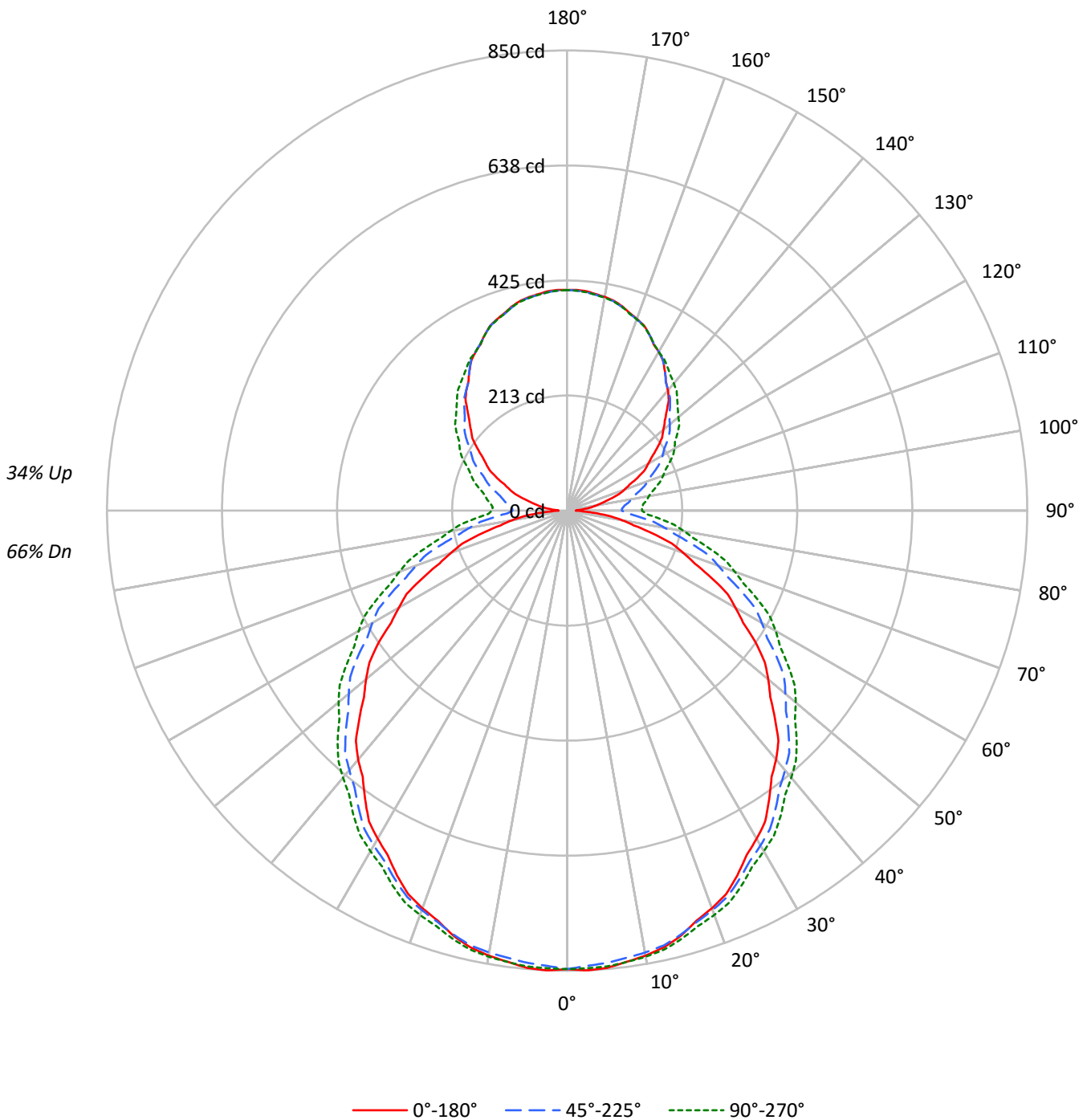
Input Watts (W): 35
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332584-940

CATALOG NUMBER: S124DIP-S795D365U940-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P332584-940

CATALOG NUMBER: S124DIP-S795D365U940-4F0-1E-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 | 111 | 111 | 111 | 111 | 105 | 105 | 105 | 105 | 92 | 92 | 92 | 81 | 81 | 81 | 71 | 71 | 71 | 66 |
| 1 | 100 | 95 | 91 | 87 | 94 | 90 | 86 | 82 | 79 | 76 | 73 | 70 | 67 | 65 | 61 | 59 | 58 | 53 |
| 2 | 91 | 82 | 75 | 70 | 85 | 78 | 71 | 66 | 69 | 64 | 60 | 60 | 57 | 53 | 53 | 50 | 47 | 43 |
| 3 | 82 | 72 | 64 | 57 | 77 | 68 | 61 | 55 | 60 | 54 | 50 | 53 | 48 | 45 | 46 | 43 | 40 | 36 |
| 4 | 75 | 63 | 55 | 48 | 70 | 60 | 52 | 46 | 53 | 47 | 42 | 47 | 42 | 38 | 41 | 37 | 34 | 31 |
| 5 | 69 | 56 | 48 | 41 | 64 | 53 | 45 | 39 | 47 | 41 | 36 | 42 | 37 | 33 | 37 | 33 | 29 | 26 |
| 6 | 63 | 51 | 42 | 36 | 59 | 48 | 40 | 34 | 43 | 36 | 31 | 38 | 32 | 28 | 33 | 29 | 26 | 23 |
| 7 | 59 | 46 | 37 | 31 | 55 | 43 | 35 | 30 | 39 | 32 | 27 | 34 | 29 | 25 | 30 | 26 | 23 | 20 |
| 8 | 54 | 41 | 33 | 28 | 51 | 39 | 32 | 26 | 35 | 29 | 24 | 31 | 26 | 22 | 28 | 23 | 20 | 18 |
| 9 | 51 | 38 | 30 | 25 | 48 | 36 | 29 | 24 | 32 | 26 | 22 | 29 | 24 | 20 | 26 | 21 | 18 | 16 |
| 10 | 47 | 35 | 27 | 22 | 45 | 33 | 26 | 21 | 30 | 24 | 20 | 27 | 22 | 18 | 24 | 20 | 16 | 15 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6838 | 6838 | 6838 |
| 5° | 6859 | 6683 | 6702 |
| 10° | 6817 | 6573 | 6568 |
| 15° | 6756 | 6446 | 6411 |
| 20° | 6664 | 6307 | 6259 |
| 25° | 6560 | 6151 | 6092 |
| 30° | 6448 | 5995 | 5919 |
| 35° | 6321 | 5835 | 5768 |
| 40° | 6219 | 5684 | 5610 |
| 45° | 6067 | 5543 | 5475 |
| 50° | 5939 | 5383 | 5333 |
| 55° | 5808 | 5231 | 5164 |
| 60° | 5601 | 5036 | 5013 |
| 65° | 5376 | 4829 | 4824 |
| 70° | 5101 | 4592 | 4605 |
| 75° | 4723 | 4331 | 4407 |
| 80° | 4295 | 4081 | 4213 |
| 85° | 3763 | 3857 | 4101 |



TEST NUMBER: P332584-940

CATALOG NUMBER: S124DIP-S795D365U940-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 80.2 | 2.0 |
| 10°-20° | 229.8 | 5.7 |
| 20°-30° | 347.5 | 8.6 |
| 30°-40° | 420.4 | 10.5 |
| 40°-50° | 444.5 | 11.1 |
| 50°-60° | 418.3 | 10.4 |
| 60°-70° | 347.1 | 8.6 |
| 70°-80° | 243.8 | 6.1 |
| 80°-90° | 139.0 | 3.5 |
| 90°-100° | 108.7 | 2.7 |
| 100°-110° | 140.2 | 3.5 |
| 110°-120° | 175.8 | 4.4 |
| 120°-130° | 201.1 | 5.0 |
| 130°-140° | 210.0 | 5.2 |
| 140°-150° | 198.6 | 4.9 |
| 150°-160° | 165.4 | 4.1 |
| 160°-170° | 110.0 | 2.7 |
| 170°-180° | 38.5 | 1.0 |
| 0°-30° | 657.5 | 16.4 |
| 0°-40° | 1077.9 | 26.8 |
| 0°-60° | 1940.7 | 48.3 |
| 0°-90° | 2670.6 | 66.5 |
| 90°-120° | 424.7 | 10.6 |
| 90°-150° | 1034.4 | 25.7 |
| 90°-180° | 1348.0 | 33.5 |
| 0°-180° | 4018.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 847 | 847 | 847 | 847 | 847 | |
| 5° | 848 | 845 | 838 | 846 | 845 | 80 |
| 15° | 813 | 814 | 811 | 819 | 818 | 229 |
| 25° | 744 | 749 | 752 | 762 | 764 | 342 |
| 35° | 651 | 662 | 672 | 684 | 688 | 407 |
| 45° | 542 | 561 | 578 | 594 | 599 | 419 |
| 55° | 425 | 445 | 473 | 492 | 498 | 378 |
| 65° | 294 | 324 | 357 | 379 | 388 | 291 |
| 75° | 163 | 198 | 238 | 264 | 273 | 174 |
| 85° | 50 | 90 | 133 | 160 | 171 | 53 |
| 90° | 16 | 58 | 101 | 129 | 138 | 11 |
| 95° | 31 | 66 | 106 | 132 | 142 | 31 |
| 105° | 82 | 102 | 138 | 161 | 171 | 88 |
| 115° | 143 | 153 | 181 | 201 | 208 | 141 |
| 125° | 204 | 204 | 226 | 243 | 249 | 182 |
| 135° | 260 | 262 | 268 | 282 | 288 | 201 |
| 145° | 314 | 315 | 315 | 320 | 323 | 197 |
| 155° | 359 | 359 | 359 | 360 | 359 | 165 |
| 165° | 391 | 390 | 390 | 391 | 390 | 110 |
| 175° | 407 | 405 | 405 | 407 | 405 | 39 |
| 180° | 407 | 407 | 407 | 407 | 407 | |



TEST NUMBER: P332584-940

CATALOG NUMBER: S124DIP-S795D365U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 |
| 2.5° | 850.1 | 849.5 | 849.0 | 848.6 | 848.0 | 847.1 | 845.7 | 844.4 | 843.0 | 841.7 | 842.8 |
| 5° | 847.9 | 847.3 | 846.7 | 846.1 | 845.4 | 844.4 | 842.8 | 841.4 | 839.9 | 838.5 | 840.2 |
| 7.5° | 840.7 | 840.3 | 840.0 | 839.6 | 839.2 | 838.4 | 837.2 | 836.0 | 834.7 | 833.6 | 835.4 |
| 10° | 834.6 | 834.5 | 834.3 | 834.0 | 833.8 | 833.2 | 832.1 | 831.1 | 830.0 | 828.9 | 830.9 |
| 12.5° | 826.3 | 826.3 | 826.3 | 826.2 | 826.2 | 825.8 | 825.1 | 824.3 | 823.6 | 822.9 | 824.7 |
| 15° | 812.9 | 813.1 | 813.2 | 813.5 | 813.7 | 813.5 | 812.9 | 812.3 | 811.5 | 810.9 | 812.9 |
| 17.5° | 794.4 | 795.0 | 795.7 | 796.4 | 797.0 | 797.2 | 797.1 | 797.0 | 796.8 | 796.7 | 798.7 |
| 20° | 781.6 | 782.2 | 782.8 | 783.5 | 784.1 | 784.5 | 784.7 | 784.9 | 785.2 | 785.3 | 787.5 |
| 22.5° | 767.1 | 767.9 | 768.7 | 769.5 | 770.3 | 771.0 | 771.3 | 771.7 | 772.0 | 772.5 | 774.5 |
| 25° | 743.6 | 744.8 | 746.2 | 747.4 | 748.7 | 749.7 | 750.3 | 750.9 | 751.5 | 752.2 | 754.5 |
| 27.5° | 717.5 | 719.3 | 721.1 | 723.0 | 724.9 | 726.3 | 727.3 | 728.2 | 729.2 | 730.1 | 732.3 |
| 30° | 700.0 | 701.7 | 703.4 | 705.1 | 706.8 | 708.3 | 709.8 | 711.2 | 712.7 | 714.2 | 716.5 |
| 32.5° | 681.0 | 683.1 | 685.1 | 687.1 | 689.1 | 690.9 | 692.6 | 694.2 | 695.9 | 697.5 | 700.2 |
| 35° | 650.7 | 653.2 | 655.8 | 658.3 | 660.8 | 663.1 | 665.2 | 667.4 | 669.4 | 671.5 | 674.5 |
| 37.5° | 620.1 | 623.0 | 626.0 | 628.8 | 631.8 | 634.5 | 637.1 | 639.7 | 642.4 | 645.0 | 648.0 |
| 40° | 600.4 | 603.2 | 605.8 | 608.6 | 611.4 | 614.2 | 617.2 | 620.1 | 623.0 | 626.0 | 629.2 |
| 42.5° | 577.7 | 580.7 | 583.8 | 586.8 | 590.0 | 593.2 | 596.6 | 600.1 | 603.6 | 607.0 | 610.6 |
| 45° | 542.5 | 546.5 | 550.5 | 554.6 | 558.6 | 562.6 | 566.6 | 570.6 | 574.5 | 578.5 | 582.2 |
| 47.5° | 509.0 | 513.1 | 517.2 | 521.4 | 525.5 | 529.9 | 534.5 | 539.1 | 543.8 | 548.4 | 552.1 |
| 50° | 484.6 | 489.3 | 493.9 | 498.6 | 503.2 | 507.8 | 512.5 | 517.1 | 521.7 | 526.4 | 530.7 |
| 52.5° | 460.4 | 465.0 | 469.7 | 474.3 | 478.9 | 483.9 | 489.2 | 494.5 | 499.9 | 505.2 | 509.3 |
| 55° | 424.9 | 429.4 | 433.8 | 438.2 | 442.6 | 448.0 | 454.3 | 460.7 | 467.0 | 473.3 | 477.5 |
| 57.5° | 385.3 | 390.7 | 396.3 | 401.7 | 407.2 | 413.0 | 419.4 | 425.6 | 431.9 | 438.2 | 443.2 |
| 60° | 359.4 | 365.0 | 370.4 | 375.9 | 381.4 | 387.6 | 394.6 | 401.5 | 408.5 | 415.4 | 420.3 |
| 62.5° | 334.4 | 340.5 | 346.4 | 352.4 | 358.4 | 364.9 | 371.8 | 378.8 | 385.8 | 392.7 | 397.5 |
| 65° | 294.0 | 300.8 | 307.6 | 314.2 | 321.0 | 328.0 | 335.1 | 342.3 | 349.5 | 356.6 | 361.9 |
| 67.5° | 255.1 | 262.3 | 269.5 | 276.6 | 283.8 | 291.2 | 298.9 | 306.6 | 314.2 | 321.9 | 327.3 |
| 70° | 228.5 | 235.8 | 242.9 | 250.1 | 257.3 | 264.8 | 272.9 | 280.9 | 288.8 | 296.9 | 302.6 |
| 72.5° | 202.8 | 210.1 | 217.5 | 224.8 | 232.1 | 240.0 | 248.6 | 257.1 | 265.6 | 274.1 | 279.6 |
| 75° | 163.2 | 170.9 | 178.7 | 186.5 | 194.3 | 202.7 | 211.5 | 220.3 | 229.3 | 238.1 | 244.0 |
| 77.5° | 126.2 | 134.4 | 142.7 | 151.0 | 159.2 | 168.0 | 177.3 | 186.5 | 195.8 | 205.1 | 211.1 |
| 80° | 103.3 | 111.8 | 120.2 | 128.7 | 137.1 | 146.0 | 155.2 | 164.5 | 173.8 | 183.1 | 189.4 |
| 82.5° | 80.6 | 89.3 | 98.2 | 106.9 | 115.7 | 124.8 | 134.0 | 143.3 | 152.6 | 161.8 | 168.3 |
| 85° | 50.3 | 59.1 | 67.9 | 76.9 | 85.7 | 94.9 | 104.3 | 113.8 | 123.3 | 132.8 | 139.1 |
| 87.5° | 28.3 | 37.0 | 45.7 | 54.5 | 63.3 | 72.3 | 81.7 | 91.0 | 100.3 | 109.7 | 115.9 |
| 90° | 16.1 | 25.3 | 34.5 | 43.7 | 53.0 | 62.3 | 72.0 | 81.6 | 91.2 | 100.9 | 107.4 |
| 92.5° | 21.1 | 29.6 | 38.1 | 46.5 | 55.0 | 64.0 | 73.5 | 82.9 | 92.4 | 101.8 | 108.0 |
| 95° | 31.2 | 38.8 | 46.4 | 54.0 | 61.6 | 69.9 | 79.1 | 88.2 | 97.4 | 106.5 | 112.4 |
| 97.5° | 44.2 | 50.7 | 57.2 | 63.7 | 70.2 | 78.0 | 87.1 | 96.2 | 105.4 | 114.5 | 120.3 |
| 100° | 54.6 | 60.3 | 66.1 | 71.9 | 77.6 | 84.9 | 93.7 | 102.6 | 111.5 | 120.3 | 126.1 |
| 102.5° | 66.2 | 71.1 | 76.0 | 80.9 | 85.8 | 92.6 | 101.2 | 109.9 | 118.4 | 127.1 | 132.8 |
| 105° | 81.9 | 86.2 | 90.5 | 94.8 | 99.1 | 105.3 | 113.3 | 121.5 | 129.5 | 137.6 | 143.0 |
| 107.5° | 100.3 | 103.9 | 107.5 | 111.0 | 114.5 | 120.0 | 127.4 | 134.8 | 142.2 | 149.7 | 155.1 |
| 110° | 112.2 | 115.3 | 118.4 | 121.5 | 124.6 | 129.7 | 137.1 | 144.4 | 151.7 | 159.0 | 163.7 |



TEST NUMBER: P332584-940

CATALOG NUMBER: S124DIP-S795D365U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 124.6 | 127.2 | 129.8 | 132.5 | 135.1 | 139.9 | 146.8 | 153.7 | 160.6 | 167.6 | 172.2 |
| 115° | 143.0 | 145.0 | 146.9 | 148.7 | 150.7 | 154.9 | 161.5 | 168.1 | 174.7 | 181.4 | 185.9 |
| 117.5° | 161.4 | 162.6 | 163.8 | 165.0 | 166.2 | 169.9 | 176.0 | 182.3 | 188.4 | 194.6 | 198.8 |
| 120° | 173.0 | 173.9 | 174.9 | 175.8 | 176.6 | 180.0 | 185.9 | 191.9 | 197.8 | 203.7 | 207.5 |
| 122.5° | 185.8 | 186.1 | 186.4 | 186.5 | 186.8 | 189.8 | 195.5 | 201.2 | 206.8 | 212.5 | 216.4 |
| 125° | 203.8 | 203.7 | 203.5 | 203.2 | 203.0 | 205.5 | 210.7 | 216.0 | 221.1 | 226.3 | 230.2 |
| 127.5° | 220.9 | 220.9 | 220.9 | 220.9 | 220.9 | 222.8 | 226.8 | 230.8 | 234.7 | 238.6 | 242.3 |
| 130° | 232.2 | 232.2 | 232.2 | 232.2 | 232.2 | 233.9 | 237.3 | 240.7 | 244.1 | 247.4 | 251.1 |
| 132.5° | 244.6 | 244.5 | 244.5 | 244.4 | 244.3 | 245.7 | 248.3 | 250.9 | 253.6 | 256.2 | 259.7 |
| 135° | 259.9 | 260.4 | 260.8 | 261.2 | 261.6 | 262.6 | 264.0 | 265.6 | 267.0 | 268.5 | 271.7 |
| 137.5° | 277.8 | 277.7 | 277.7 | 277.7 | 277.7 | 278.1 | 278.9 | 279.7 | 280.5 | 281.4 | 284.3 |
| 140° | 289.6 | 289.5 | 289.4 | 289.4 | 289.3 | 289.4 | 289.5 | 289.8 | 290.0 | 290.3 | 292.9 |
| 142.5° | 299.7 | 299.8 | 299.9 | 300.0 | 300.1 | 300.0 | 299.8 | 299.6 | 299.4 | 299.3 | 301.7 |
| 145° | 314.5 | 314.5 | 314.6 | 314.7 | 314.8 | 314.9 | 314.9 | 315.0 | 315.0 | 315.1 | 316.3 |
| 147.5° | 329.3 | 329.5 | 329.6 | 329.8 | 329.8 | 329.8 | 329.8 | 329.8 | 329.8 | 329.7 | 329.8 |
| 150° | 338.4 | 338.5 | 338.6 | 338.7 | 338.7 | 338.8 | 338.8 | 338.8 | 338.8 | 338.8 | 338.8 |
| 152.5° | 346.3 | 346.3 | 346.5 | 346.6 | 346.7 | 346.8 | 346.9 | 347.0 | 347.0 | 347.1 | 347.2 |
| 155° | 359.2 | 359.2 | 359.2 | 359.2 | 359.2 | 359.2 | 359.1 | 359.0 | 359.0 | 358.9 | 359.2 |
| 157.5° | 370.3 | 370.1 | 370.1 | 370.0 | 369.8 | 369.7 | 369.7 | 369.7 | 369.7 | 369.7 | 369.9 |
| 160° | 376.8 | 376.7 | 376.7 | 376.7 | 376.6 | 376.5 | 376.5 | 376.4 | 376.3 | 376.2 | 376.5 |
| 162.5° | 382.9 | 382.7 | 382.5 | 382.4 | 382.2 | 382.1 | 382.0 | 381.9 | 381.8 | 381.7 | 382.2 |
| 165° | 391.0 | 390.8 | 390.7 | 390.4 | 390.2 | 390.0 | 389.9 | 389.8 | 389.6 | 389.5 | 389.9 |
| 167.5° | 397.3 | 397.0 | 396.7 | 396.4 | 396.1 | 395.9 | 396.0 | 396.0 | 396.0 | 396.0 | 396.5 |
| 170° | 400.8 | 400.5 | 400.1 | 399.8 | 399.4 | 399.3 | 399.3 | 399.4 | 399.5 | 399.6 | 399.9 |
| 172.5° | 403.3 | 403.1 | 402.7 | 402.4 | 402.2 | 402.0 | 402.0 | 402.1 | 402.1 | 402.1 | 402.5 |
| 175° | 406.8 | 406.4 | 406.1 | 405.7 | 405.4 | 405.2 | 405.1 | 405.0 | 405.0 | 404.9 | 405.4 |
| 177.5° | 408.0 | 407.7 | 407.3 | 407.1 | 406.8 | 406.7 | 406.7 | 406.7 | 406.7 | 406.7 | 407.1 |
| 180° | 407.4 | 407.4 | 407.4 | 407.4 | 407.4 | 407.4 | 407.4 | 407.4 | 407.4 | 407.4 | 407.4 |



TEST NUMBER: P332584-940

CATALOG NUMBER: S124DIP-S795D365U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 |
| 2.5° | 844.0 | 845.3 | 846.4 | 846.9 | 846.8 | 846.6 | 846.4 | 846.2 |
| 5° | 841.9 | 843.6 | 845.2 | 846.0 | 845.7 | 845.5 | 845.3 | 845.1 |
| 7.5° | 837.3 | 839.2 | 841.2 | 842.0 | 841.8 | 841.5 | 841.3 | 841.2 |
| 10° | 832.8 | 834.6 | 836.6 | 837.4 | 837.2 | 837.0 | 836.8 | 836.6 |
| 12.5° | 826.3 | 828.1 | 829.8 | 830.6 | 830.6 | 830.5 | 830.5 | 830.5 |
| 15° | 814.8 | 816.6 | 818.5 | 819.4 | 819.2 | 818.9 | 818.8 | 818.5 |
| 17.5° | 800.6 | 802.5 | 804.5 | 805.4 | 805.2 | 805.0 | 804.9 | 804.7 |
| 20° | 789.5 | 791.7 | 793.8 | 794.9 | 794.9 | 794.9 | 794.9 | 794.9 |
| 22.5° | 776.7 | 778.7 | 780.9 | 782.1 | 782.5 | 782.7 | 783.1 | 783.5 |
| 25° | 756.8 | 759.1 | 761.4 | 762.7 | 762.9 | 763.1 | 763.3 | 763.6 |
| 27.5° | 734.4 | 736.6 | 738.8 | 739.9 | 740.2 | 740.5 | 740.7 | 740.9 |
| 30° | 718.8 | 721.1 | 723.4 | 724.9 | 725.3 | 725.7 | 726.1 | 726.6 |
| 32.5° | 702.8 | 705.5 | 708.1 | 709.7 | 710.1 | 710.5 | 711.0 | 711.4 |
| 35° | 677.4 | 680.4 | 683.3 | 685.1 | 685.7 | 686.3 | 687.1 | 687.7 |
| 37.5° | 650.9 | 654.0 | 656.9 | 658.8 | 659.4 | 660.1 | 660.8 | 661.5 |
| 40° | 632.3 | 635.5 | 638.6 | 640.6 | 641.5 | 642.3 | 643.2 | 644.0 |
| 42.5° | 614.0 | 617.5 | 621.0 | 623.1 | 623.8 | 624.5 | 625.2 | 625.8 |
| 45° | 585.8 | 589.3 | 592.9 | 595.2 | 596.3 | 597.4 | 598.4 | 599.4 |
| 47.5° | 555.8 | 559.5 | 563.3 | 565.7 | 567.0 | 568.3 | 569.5 | 570.8 |
| 50° | 534.8 | 539.0 | 543.2 | 546.0 | 547.2 | 548.6 | 549.8 | 551.1 |
| 52.5° | 513.6 | 517.8 | 522.0 | 524.8 | 526.0 | 527.3 | 528.5 | 529.9 |
| 55° | 481.7 | 486.0 | 490.2 | 492.9 | 494.2 | 495.4 | 496.7 | 497.9 |
| 57.5° | 448.3 | 453.3 | 458.3 | 461.4 | 462.5 | 463.7 | 464.9 | 466.1 |
| 60° | 425.2 | 430.0 | 434.8 | 438.1 | 439.8 | 441.5 | 443.2 | 444.9 |
| 62.5° | 402.3 | 407.2 | 412.1 | 415.4 | 417.1 | 418.7 | 420.4 | 422.0 |
| 65° | 367.2 | 372.5 | 377.7 | 381.2 | 382.9 | 384.6 | 386.2 | 387.9 |
| 67.5° | 332.6 | 338.0 | 343.3 | 346.8 | 348.5 | 350.1 | 351.8 | 353.4 |
| 70° | 308.3 | 314.0 | 319.7 | 323.2 | 324.7 | 326.2 | 327.6 | 329.1 |
| 72.5° | 285.2 | 290.7 | 296.2 | 299.8 | 301.4 | 303.1 | 304.7 | 306.4 |
| 75° | 249.9 | 255.7 | 261.7 | 265.6 | 267.5 | 269.4 | 271.3 | 273.1 |
| 77.5° | 217.0 | 223.0 | 229.0 | 233.0 | 235.1 | 237.0 | 239.1 | 241.1 |
| 80° | 195.7 | 202.1 | 208.4 | 212.3 | 214.0 | 215.7 | 217.4 | 219.1 |
| 82.5° | 174.8 | 181.3 | 187.8 | 192.0 | 193.8 | 195.6 | 197.5 | 199.4 |
| 85° | 145.4 | 151.8 | 158.1 | 162.3 | 164.4 | 166.5 | 168.6 | 170.8 |
| 87.5° | 122.1 | 128.3 | 134.5 | 138.6 | 140.4 | 142.3 | 144.2 | 146.1 |
| 90° | 113.9 | 120.5 | 127.0 | 131.2 | 133.0 | 134.8 | 136.6 | 138.5 |
| 92.5° | 114.2 | 120.4 | 126.6 | 130.6 | 132.3 | 134.1 | 135.9 | 137.7 |
| 95° | 118.2 | 124.1 | 130.1 | 133.9 | 135.9 | 137.8 | 139.6 | 141.5 |
| 97.5° | 126.1 | 131.8 | 137.6 | 141.4 | 143.2 | 145.0 | 146.9 | 148.6 |
| 100° | 132.0 | 137.8 | 143.7 | 147.3 | 148.7 | 150.3 | 151.7 | 153.2 |
| 102.5° | 138.5 | 144.3 | 150.0 | 153.6 | 155.3 | 157.0 | 158.8 | 160.5 |
| 105° | 148.6 | 154.0 | 159.5 | 163.2 | 165.1 | 167.0 | 168.9 | 170.8 |
| 107.5° | 160.4 | 165.9 | 171.2 | 174.7 | 176.1 | 177.6 | 179.1 | 180.7 |
| 110° | 168.4 | 173.1 | 177.8 | 181.1 | 183.0 | 184.9 | 186.8 | 188.7 |



TEST NUMBER: P332584-940

CATALOG NUMBER: S124DIP-S795D365U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 176.8 | 181.5 | 186.2 | 189.3 | 191.1 | 192.8 | 194.6 | 196.3 |
| 115° | 190.5 | 195.0 | 199.6 | 202.6 | 204.0 | 205.4 | 206.8 | 208.2 |
| 117.5° | 202.9 | 207.1 | 211.2 | 214.0 | 215.6 | 217.1 | 218.6 | 220.3 |
| 120° | 211.4 | 215.3 | 219.1 | 221.9 | 223.8 | 225.6 | 227.5 | 229.3 |
| 122.5° | 220.4 | 224.4 | 228.4 | 231.0 | 232.3 | 233.5 | 234.8 | 236.0 |
| 125° | 234.1 | 237.9 | 241.8 | 244.3 | 245.4 | 246.6 | 247.6 | 248.8 |
| 127.5° | 245.9 | 249.6 | 253.2 | 255.7 | 257.0 | 258.3 | 259.7 | 261.0 |
| 130° | 254.8 | 258.3 | 262.0 | 264.3 | 265.4 | 266.4 | 267.3 | 268.3 |
| 132.5° | 263.2 | 266.7 | 270.2 | 272.5 | 273.7 | 274.8 | 276.0 | 277.1 |
| 135° | 274.9 | 278.2 | 281.4 | 283.6 | 284.6 | 285.7 | 286.8 | 287.8 |
| 137.5° | 287.2 | 290.1 | 293.0 | 295.0 | 296.0 | 297.2 | 298.3 | 299.3 |
| 140° | 295.5 | 298.2 | 300.9 | 302.7 | 303.7 | 304.7 | 305.7 | 306.7 |
| 142.5° | 304.1 | 306.5 | 308.8 | 310.5 | 311.3 | 312.2 | 313.1 | 314.0 |
| 145° | 317.4 | 318.7 | 319.9 | 320.7 | 321.5 | 322.1 | 322.7 | 323.3 |
| 147.5° | 329.8 | 330.0 | 330.1 | 330.5 | 331.1 | 331.7 | 332.3 | 332.9 |
| 150° | 338.8 | 338.8 | 338.8 | 338.7 | 338.7 | 338.6 | 338.5 | 338.4 |
| 152.5° | 347.4 | 347.6 | 347.8 | 347.7 | 347.5 | 347.3 | 347.1 | 347.0 |
| 155° | 359.4 | 359.7 | 360.0 | 360.0 | 359.7 | 359.4 | 359.2 | 358.9 |
| 157.5° | 370.1 | 370.3 | 370.5 | 370.5 | 370.2 | 370.1 | 369.8 | 369.5 |
| 160° | 376.7 | 376.8 | 377.1 | 377.0 | 376.7 | 376.3 | 375.9 | 375.6 |
| 162.5° | 382.5 | 382.9 | 383.3 | 383.3 | 383.0 | 382.6 | 382.3 | 381.9 |
| 165° | 390.3 | 390.7 | 391.1 | 391.2 | 390.9 | 390.7 | 390.4 | 390.1 |
| 167.5° | 396.9 | 397.3 | 397.7 | 397.7 | 397.3 | 396.8 | 396.4 | 395.9 |
| 170° | 400.4 | 400.8 | 401.3 | 401.2 | 400.7 | 400.2 | 399.8 | 399.2 |
| 172.5° | 403.1 | 403.5 | 403.9 | 403.9 | 403.5 | 403.0 | 402.5 | 402.0 |
| 175° | 405.9 | 406.4 | 406.9 | 406.9 | 406.4 | 405.9 | 405.4 | 404.9 |
| 177.5° | 407.4 | 407.9 | 408.2 | 408.2 | 407.8 | 407.3 | 406.9 | 406.4 |
| 180° | 407.4 | 407.4 | 407.4 | 407.4 | 407.4 | 407.4 | 407.4 | 407.4 |

(END OF REPORT)