

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

Luminaire Tested: **S124DIP-S795D365U835-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332584
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-S795D365U835-4F0-1E-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: 4507.0 lumens
Efficiency: N/A
Efficacy: 128.8 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

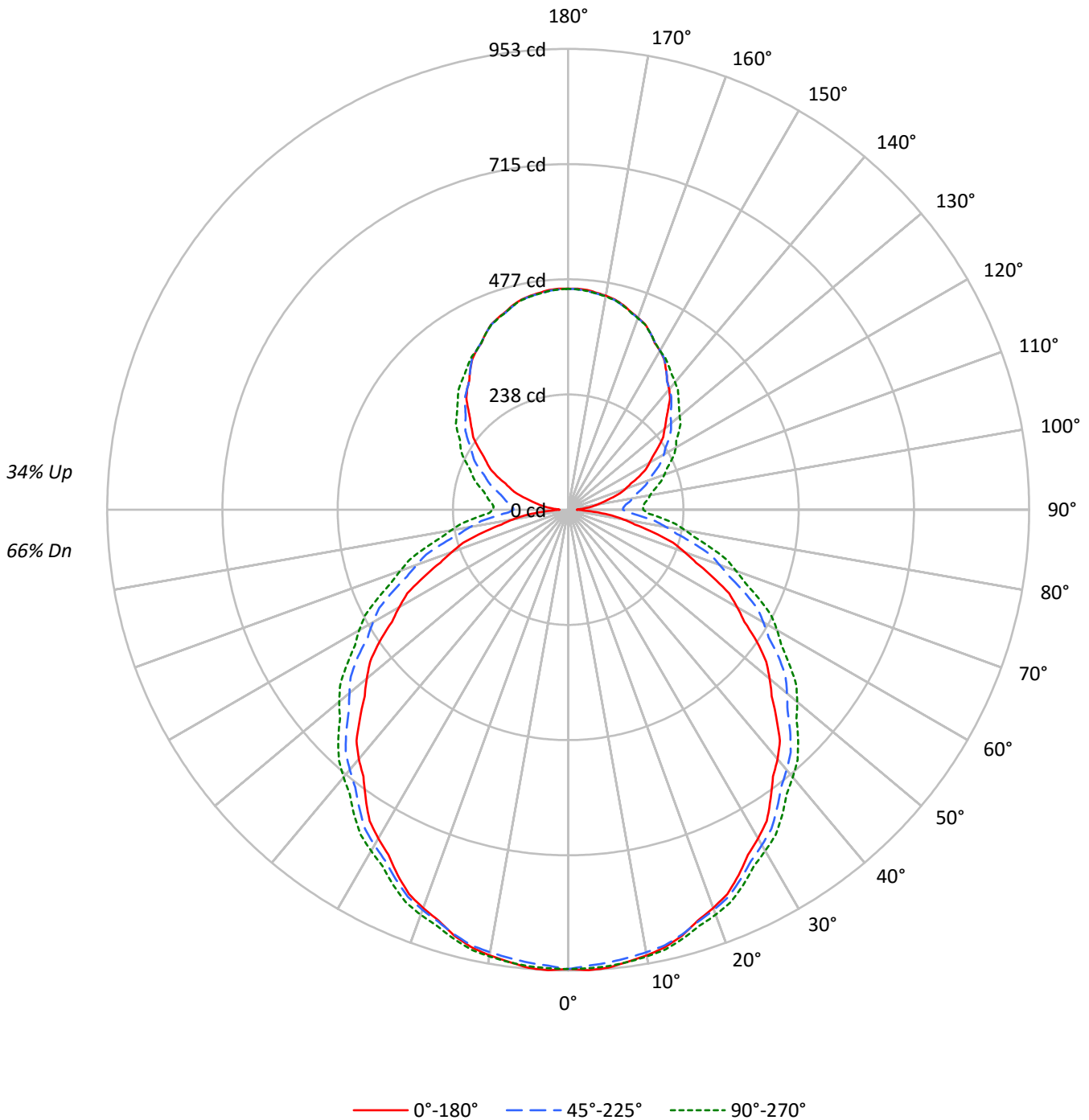
Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332584

CATALOG NUMBER: S124DIP-S795D365U835-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P332584

CATALOG NUMBER: S124DIP-S795D365U835-4F0-1E-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 | 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° | 7668 | 7668 | 7668 |
| 5° | 7692 | 7494 | 7516 |
| 10° | 7645 | 7371 | 7366 |
| 15° | 7577 | 7230 | 7190 |
| 20° | 7473 | 7073 | 7019 |
| 25° | 7357 | 6898 | 6831 |
| 30° | 7231 | 6723 | 6637 |
| 35° | 7088 | 6544 | 6468 |
| 40° | 6974 | 6374 | 6291 |
| 45° | 6804 | 6217 | 6140 |
| 50° | 6661 | 6036 | 5980 |
| 55° | 6513 | 5866 | 5792 |
| 60° | 6282 | 5649 | 5621 |
| 65° | 6029 | 5415 | 5409 |
| 70° | 5722 | 5149 | 5165 |
| 75° | 5296 | 4857 | 4943 |
| 80° | 4819 | 4575 | 4724 |
| 85° | 4219 | 4325 | 4598 |



TEST NUMBER: P332584

CATALOG NUMBER: S124DIP-S795D365U835-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 89.9 | 2.0 |
| 10°-20° | 257.7 | 5.7 |
| 20°-30° | 389.7 | 8.6 |
| 30°-40° | 471.5 | 10.5 |
| 40°-50° | 498.5 | 11.1 |
| 50°-60° | 469.1 | 10.4 |
| 60°-70° | 389.2 | 8.6 |
| 70°-80° | 273.4 | 6.1 |
| 80°-90° | 155.9 | 3.5 |
| 90°-100° | 121.9 | 2.7 |
| 100°-110° | 157.2 | 3.5 |
| 110°-120° | 197.1 | 4.4 |
| 120°-130° | 225.5 | 5.0 |
| 130°-140° | 235.5 | 5.2 |
| 140°-150° | 222.7 | 4.9 |
| 150°-160° | 185.5 | 4.1 |
| 160°-170° | 123.4 | 2.7 |
| 170°-180° | 43.2 | 1.0 |
| 0°-30° | 737.4 | 16.4 |
| 0°-40° | 1208.8 | 26.8 |
| 0°-60° | 2176.4 | 48.3 |
| 0°-90° | 2994.9 | 66.5 |
| 90°-120° | 476.2 | 10.6 |
| 90°-150° | 1160.0 | 25.7 |
| 90°-180° | 1512.0 | 33.5 |
| 0°-180° | 4507.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 950 | 950 | 950 | 950 | 950 | |
| 5° | 951 | 948 | 940 | 948 | 948 | 90 |
| 15° | 912 | 912 | 909 | 918 | 918 | 257 |
| 25° | 834 | 840 | 844 | 855 | 856 | 384 |
| 35° | 730 | 742 | 753 | 767 | 771 | 457 |
| 45° | 608 | 629 | 649 | 666 | 672 | 470 |
| 55° | 476 | 499 | 531 | 551 | 558 | 424 |
| 65° | 330 | 364 | 400 | 426 | 435 | 327 |
| 75° | 183 | 223 | 267 | 296 | 306 | 195 |
| 85° | 56 | 101 | 149 | 180 | 192 | 60 |
| 90° | 18 | 65 | 113 | 145 | 155 | 13 |
| 95° | 35 | 74 | 119 | 148 | 159 | 35 |
| 105° | 92 | 115 | 154 | 181 | 192 | 98 |
| 115° | 160 | 171 | 203 | 226 | 234 | 159 |
| 125° | 229 | 229 | 254 | 273 | 279 | 204 |
| 135° | 292 | 294 | 301 | 317 | 323 | 226 |
| 145° | 353 | 353 | 353 | 359 | 363 | 221 |
| 155° | 403 | 403 | 402 | 404 | 402 | 185 |
| 165° | 438 | 438 | 437 | 439 | 438 | 124 |
| 175° | 456 | 454 | 454 | 456 | 454 | 43 |
| 180° | 457 | 457 | 457 | 457 | 457 | |



TEST NUMBER: P332584

CATALOG NUMBER: S124DIP-S795D365U835-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 949.9 | 949.9 | 949.9 | 949.9 | 949.9 | 949.9 | 949.9 | 949.9 | 949.9 | 949.9 | 949.9 |
| 2.5° | 953.3 | 952.7 | 952.1 | 951.6 | 951.0 | 950.0 | 948.4 | 946.9 | 945.4 | 943.9 | 945.2 |
| 5° | 950.9 | 950.2 | 949.5 | 948.8 | 948.1 | 946.9 | 945.2 | 943.6 | 941.9 | 940.3 | 942.2 |
| 7.5° | 942.8 | 942.4 | 942.0 | 941.6 | 941.1 | 940.2 | 938.9 | 937.5 | 936.1 | 934.8 | 936.9 |
| 10° | 936.0 | 935.8 | 935.6 | 935.3 | 935.1 | 934.4 | 933.2 | 932.0 | 930.8 | 929.6 | 931.8 |
| 12.5° | 926.7 | 926.6 | 926.6 | 926.5 | 926.5 | 926.1 | 925.3 | 924.4 | 923.6 | 922.8 | 924.8 |
| 15° | 911.6 | 911.8 | 912.0 | 912.3 | 912.5 | 912.3 | 911.6 | 910.9 | 910.1 | 909.4 | 911.6 |
| 17.5° | 890.9 | 891.6 | 892.3 | 893.1 | 893.8 | 894.0 | 893.9 | 893.8 | 893.6 | 893.5 | 895.7 |
| 20° | 876.5 | 877.2 | 877.9 | 878.6 | 879.3 | 879.8 | 880.0 | 880.2 | 880.5 | 880.7 | 883.1 |
| 22.5° | 860.3 | 861.2 | 862.1 | 863.0 | 863.9 | 864.6 | 865.0 | 865.4 | 865.8 | 866.3 | 868.6 |
| 25° | 833.9 | 835.3 | 836.8 | 838.2 | 839.6 | 840.7 | 841.4 | 842.1 | 842.8 | 843.5 | 846.1 |
| 27.5° | 804.6 | 806.6 | 808.7 | 810.8 | 812.9 | 814.5 | 815.6 | 816.6 | 817.7 | 818.8 | 821.2 |
| 30° | 785.0 | 786.9 | 788.8 | 790.7 | 792.6 | 794.3 | 796.0 | 797.6 | 799.3 | 800.9 | 803.5 |
| 32.5° | 763.7 | 766.0 | 768.3 | 770.5 | 772.8 | 774.8 | 776.7 | 778.5 | 780.4 | 782.2 | 785.2 |
| 35° | 729.7 | 732.5 | 735.4 | 738.2 | 741.0 | 743.6 | 746.0 | 748.4 | 750.7 | 753.1 | 756.4 |
| 37.5° | 695.4 | 698.7 | 702.0 | 705.2 | 708.5 | 711.6 | 714.5 | 717.4 | 720.4 | 723.3 | 726.7 |
| 40° | 673.3 | 676.4 | 679.4 | 682.5 | 685.6 | 688.8 | 692.1 | 695.4 | 698.7 | 702.0 | 705.6 |
| 42.5° | 647.8 | 651.2 | 654.7 | 658.1 | 661.6 | 665.2 | 669.1 | 673.0 | 676.9 | 680.7 | 684.7 |
| 45° | 608.4 | 612.9 | 617.4 | 621.9 | 626.4 | 630.9 | 635.4 | 639.9 | 644.3 | 648.8 | 652.9 |
| 47.5° | 570.8 | 575.4 | 580.0 | 584.7 | 589.3 | 594.2 | 599.4 | 604.6 | 609.8 | 615.0 | 619.2 |
| 50° | 543.5 | 548.7 | 553.9 | 559.1 | 564.3 | 569.5 | 574.7 | 579.9 | 585.1 | 590.3 | 595.1 |
| 52.5° | 516.3 | 521.5 | 526.7 | 531.9 | 537.1 | 542.7 | 548.6 | 554.6 | 560.6 | 566.5 | 571.2 |
| 55° | 476.5 | 481.5 | 486.5 | 491.4 | 496.4 | 502.4 | 509.5 | 516.6 | 523.7 | 530.8 | 535.5 |
| 57.5° | 432.1 | 438.2 | 444.4 | 450.5 | 456.6 | 463.2 | 470.3 | 477.3 | 484.4 | 491.4 | 497.0 |
| 60° | 403.1 | 409.3 | 415.4 | 421.6 | 427.7 | 434.7 | 442.5 | 450.3 | 458.1 | 465.9 | 471.3 |
| 62.5° | 375.0 | 381.8 | 388.5 | 395.2 | 401.9 | 409.2 | 417.0 | 424.8 | 432.6 | 440.4 | 445.8 |
| 65° | 329.7 | 337.3 | 344.9 | 352.4 | 360.0 | 367.8 | 375.8 | 383.9 | 391.9 | 399.9 | 405.8 |
| 67.5° | 286.1 | 294.2 | 302.2 | 310.2 | 318.3 | 326.6 | 335.2 | 343.8 | 352.4 | 361.0 | 367.0 |
| 70° | 256.3 | 264.4 | 272.4 | 280.5 | 288.5 | 297.0 | 306.0 | 315.0 | 323.9 | 332.9 | 339.3 |
| 72.5° | 227.4 | 235.6 | 243.9 | 252.1 | 260.3 | 269.2 | 278.8 | 288.3 | 297.9 | 307.4 | 313.6 |
| 75° | 183.0 | 191.7 | 200.4 | 209.2 | 217.9 | 227.3 | 237.2 | 247.1 | 257.1 | 267.0 | 273.6 |
| 77.5° | 141.5 | 150.7 | 160.0 | 169.3 | 178.5 | 188.4 | 198.8 | 209.2 | 219.6 | 230.0 | 236.7 |
| 80° | 115.9 | 125.4 | 134.8 | 144.3 | 153.8 | 163.7 | 174.1 | 184.5 | 194.9 | 205.3 | 212.4 |
| 82.5° | 90.4 | 100.2 | 110.1 | 119.9 | 129.7 | 139.9 | 150.3 | 160.7 | 171.1 | 181.5 | 188.7 |
| 85° | 56.4 | 66.3 | 76.2 | 86.2 | 96.1 | 106.4 | 117.0 | 127.6 | 138.3 | 148.9 | 156.0 |
| 87.5° | 31.7 | 41.5 | 51.3 | 61.1 | 71.0 | 81.1 | 91.6 | 102.1 | 112.5 | 123.0 | 130.0 |
| 90° | 18.1 | 28.4 | 38.7 | 49.0 | 59.4 | 69.9 | 80.7 | 91.5 | 102.3 | 113.1 | 120.4 |
| 92.5° | 23.7 | 33.2 | 42.7 | 52.2 | 61.7 | 71.8 | 82.4 | 93.0 | 103.6 | 114.2 | 121.1 |
| 95° | 35.0 | 43.5 | 52.0 | 60.6 | 69.1 | 78.4 | 88.7 | 98.9 | 109.2 | 119.4 | 126.0 |
| 97.5° | 49.6 | 56.9 | 64.1 | 71.4 | 78.7 | 87.5 | 97.7 | 107.9 | 118.2 | 128.4 | 134.9 |
| 100° | 61.2 | 67.6 | 74.1 | 80.6 | 87.0 | 95.2 | 105.1 | 115.1 | 125.0 | 134.9 | 141.4 |
| 102.5° | 74.2 | 79.7 | 85.2 | 90.7 | 96.2 | 103.8 | 113.5 | 123.2 | 132.8 | 142.5 | 148.9 |
| 105° | 91.9 | 96.7 | 101.5 | 106.3 | 111.1 | 118.1 | 127.1 | 136.2 | 145.2 | 154.3 | 160.4 |
| 107.5° | 112.5 | 116.5 | 120.5 | 124.5 | 128.4 | 134.6 | 142.9 | 151.2 | 159.5 | 167.9 | 173.9 |
| 110° | 125.8 | 129.3 | 132.8 | 136.2 | 139.7 | 145.5 | 153.7 | 161.9 | 170.1 | 178.3 | 183.6 |



TEST NUMBER: P332584

CATALOG NUMBER: S124DIP-S795D365U835-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 139.7 | 142.6 | 145.6 | 148.6 | 151.5 | 156.9 | 164.6 | 172.4 | 180.1 | 187.9 | 193.1 |
| 115° | 160.4 | 162.6 | 164.7 | 166.8 | 169.0 | 173.7 | 181.1 | 188.5 | 195.9 | 203.4 | 208.5 |
| 117.5° | 181.0 | 182.4 | 183.7 | 185.0 | 186.4 | 190.5 | 197.4 | 204.4 | 211.3 | 218.2 | 222.9 |
| 120° | 194.0 | 195.0 | 196.1 | 197.1 | 198.1 | 201.9 | 208.5 | 215.2 | 221.8 | 228.4 | 232.7 |
| 122.5° | 208.4 | 208.7 | 209.0 | 209.2 | 209.5 | 212.8 | 219.2 | 225.6 | 231.9 | 238.3 | 242.7 |
| 125° | 228.6 | 228.4 | 228.2 | 227.9 | 227.7 | 230.5 | 236.3 | 242.2 | 248.0 | 253.8 | 258.2 |
| 127.5° | 247.7 | 247.7 | 247.7 | 247.7 | 247.7 | 249.9 | 254.3 | 258.8 | 263.2 | 267.6 | 271.7 |
| 130° | 260.4 | 260.4 | 260.4 | 260.4 | 260.4 | 262.3 | 266.1 | 269.9 | 273.7 | 277.5 | 281.6 |
| 132.5° | 274.3 | 274.2 | 274.2 | 274.1 | 274.0 | 275.5 | 278.5 | 281.4 | 284.4 | 287.3 | 291.2 |
| 135° | 291.5 | 292.0 | 292.5 | 292.9 | 293.4 | 294.5 | 296.1 | 297.8 | 299.4 | 301.1 | 304.7 |
| 137.5° | 311.5 | 311.4 | 311.4 | 311.4 | 311.4 | 311.9 | 312.8 | 313.7 | 314.6 | 315.6 | 318.8 |
| 140° | 324.8 | 324.7 | 324.6 | 324.5 | 324.4 | 324.5 | 324.7 | 325.0 | 325.2 | 325.5 | 328.5 |
| 142.5° | 336.1 | 336.2 | 336.3 | 336.4 | 336.5 | 336.4 | 336.2 | 336.0 | 335.8 | 335.6 | 338.3 |
| 145° | 352.7 | 352.7 | 352.8 | 352.9 | 353.0 | 353.1 | 353.1 | 353.2 | 353.3 | 353.4 | 354.7 |
| 147.5° | 369.3 | 369.5 | 369.6 | 369.8 | 369.9 | 369.9 | 369.9 | 369.8 | 369.8 | 369.7 | 369.8 |
| 150° | 379.5 | 379.6 | 379.7 | 379.8 | 379.8 | 379.9 | 379.9 | 379.9 | 379.9 | 379.9 | 379.9 |
| 152.5° | 388.3 | 388.4 | 388.6 | 388.7 | 388.8 | 388.9 | 389.0 | 389.1 | 389.1 | 389.2 | 389.4 |
| 155° | 402.8 | 402.8 | 402.8 | 402.8 | 402.8 | 402.8 | 402.7 | 402.6 | 402.6 | 402.5 | 402.8 |
| 157.5° | 415.3 | 415.1 | 415.0 | 414.9 | 414.7 | 414.6 | 414.6 | 414.6 | 414.6 | 414.6 | 414.8 |
| 160° | 422.6 | 422.5 | 422.5 | 422.4 | 422.3 | 422.2 | 422.2 | 422.1 | 422.0 | 421.9 | 422.2 |
| 162.5° | 429.4 | 429.2 | 429.0 | 428.8 | 428.6 | 428.5 | 428.4 | 428.3 | 428.2 | 428.1 | 428.6 |
| 165° | 438.5 | 438.3 | 438.1 | 437.8 | 437.6 | 437.4 | 437.2 | 437.1 | 436.9 | 436.8 | 437.2 |
| 167.5° | 445.5 | 445.2 | 444.9 | 444.5 | 444.2 | 444.0 | 444.1 | 444.1 | 444.1 | 444.1 | 444.6 |
| 170° | 449.5 | 449.1 | 448.7 | 448.3 | 447.9 | 447.8 | 447.8 | 447.9 | 448.0 | 448.1 | 448.5 |
| 172.5° | 452.3 | 452.0 | 451.6 | 451.3 | 451.0 | 450.8 | 450.8 | 450.9 | 450.9 | 450.9 | 451.4 |
| 175° | 456.2 | 455.8 | 455.4 | 455.0 | 454.6 | 454.4 | 454.3 | 454.2 | 454.2 | 454.1 | 454.6 |
| 177.5° | 457.5 | 457.2 | 456.8 | 456.5 | 456.2 | 456.1 | 456.1 | 456.1 | 456.1 | 456.1 | 456.5 |
| 180° | 456.9 | 456.9 | 456.9 | 456.9 | 456.9 | 456.9 | 456.9 | 456.9 | 456.9 | 456.9 | 456.9 |



TEST NUMBER: P332584

CATALOG NUMBER: S124DIP-S795D365U835-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 949.9 | 949.9 | 949.9 | 949.9 | 949.9 | 949.9 | 949.9 | 949.9 |
| 2.5° | 946.5 | 947.9 | 949.2 | 949.8 | 949.6 | 949.4 | 949.2 | 949.0 |
| 5° | 944.1 | 946.0 | 947.8 | 948.7 | 948.4 | 948.2 | 948.0 | 947.7 |
| 7.5° | 939.0 | 941.1 | 943.3 | 944.2 | 944.0 | 943.7 | 943.5 | 943.3 |
| 10° | 933.9 | 936.0 | 938.2 | 939.1 | 938.9 | 938.6 | 938.4 | 938.2 |
| 12.5° | 926.7 | 928.7 | 930.6 | 931.5 | 931.5 | 931.4 | 931.4 | 931.3 |
| 15° | 913.7 | 915.8 | 917.9 | 918.9 | 918.7 | 918.4 | 918.2 | 917.9 |
| 17.5° | 897.8 | 900.0 | 902.2 | 903.2 | 903.0 | 902.8 | 902.6 | 902.4 |
| 20° | 885.4 | 887.8 | 890.2 | 891.4 | 891.4 | 891.4 | 891.4 | 891.4 |
| 22.5° | 871.0 | 873.3 | 875.7 | 877.1 | 877.5 | 877.8 | 878.2 | 878.6 |
| 25° | 848.7 | 851.3 | 853.9 | 855.3 | 855.5 | 855.8 | 856.0 | 856.3 |
| 27.5° | 823.6 | 826.0 | 828.5 | 829.8 | 830.1 | 830.4 | 830.7 | 830.9 |
| 30° | 806.1 | 808.7 | 811.3 | 812.9 | 813.4 | 813.8 | 814.3 | 814.8 |
| 32.5° | 788.2 | 791.2 | 794.1 | 795.9 | 796.3 | 796.8 | 797.3 | 797.8 |
| 35° | 759.7 | 763.0 | 766.3 | 768.3 | 769.0 | 769.7 | 770.5 | 771.2 |
| 37.5° | 730.0 | 733.4 | 736.7 | 738.8 | 739.5 | 740.3 | 741.0 | 741.8 |
| 40° | 709.1 | 712.7 | 716.2 | 718.4 | 719.4 | 720.3 | 721.3 | 722.2 |
| 42.5° | 688.6 | 692.5 | 696.4 | 698.8 | 699.5 | 700.3 | 701.1 | 701.8 |
| 45° | 656.9 | 660.9 | 664.9 | 667.5 | 668.7 | 669.9 | 671.1 | 672.2 |
| 47.5° | 623.3 | 627.5 | 631.7 | 634.4 | 635.9 | 637.3 | 638.7 | 640.1 |
| 50° | 599.8 | 604.5 | 609.2 | 612.3 | 613.7 | 615.2 | 616.6 | 618.0 |
| 52.5° | 576.0 | 580.7 | 585.4 | 588.5 | 589.9 | 591.3 | 592.7 | 594.2 |
| 55° | 540.2 | 545.0 | 549.7 | 552.8 | 554.2 | 555.6 | 557.0 | 558.4 |
| 57.5° | 502.7 | 508.3 | 513.9 | 517.4 | 518.7 | 520.0 | 521.4 | 522.7 |
| 60° | 476.8 | 482.2 | 487.6 | 491.3 | 493.2 | 495.1 | 497.0 | 498.9 |
| 62.5° | 451.2 | 456.7 | 462.1 | 465.8 | 467.7 | 469.6 | 471.4 | 473.3 |
| 65° | 411.8 | 417.7 | 423.6 | 427.5 | 429.4 | 431.3 | 433.1 | 435.0 |
| 67.5° | 373.0 | 379.0 | 385.0 | 388.9 | 390.8 | 392.6 | 394.5 | 396.3 |
| 70° | 345.7 | 352.1 | 358.5 | 362.5 | 364.1 | 365.8 | 367.4 | 369.1 |
| 72.5° | 319.8 | 326.0 | 332.2 | 336.2 | 338.0 | 339.9 | 341.7 | 343.6 |
| 75° | 280.2 | 286.8 | 293.5 | 297.8 | 300.0 | 302.1 | 304.2 | 306.3 |
| 77.5° | 243.4 | 250.1 | 256.8 | 261.3 | 263.6 | 265.8 | 268.1 | 270.4 |
| 80° | 219.5 | 226.6 | 233.7 | 238.1 | 240.0 | 241.9 | 243.8 | 245.7 |
| 82.5° | 196.0 | 203.3 | 210.6 | 215.3 | 217.3 | 219.4 | 221.5 | 223.6 |
| 85° | 163.1 | 170.2 | 177.3 | 182.0 | 184.4 | 186.7 | 189.1 | 191.5 |
| 87.5° | 136.9 | 143.9 | 150.8 | 155.4 | 157.5 | 159.6 | 161.7 | 163.8 |
| 90° | 127.7 | 135.1 | 142.4 | 147.1 | 149.1 | 151.2 | 153.2 | 155.3 |
| 92.5° | 128.1 | 135.0 | 142.0 | 146.5 | 148.4 | 150.4 | 152.4 | 154.4 |
| 95° | 132.6 | 139.2 | 145.9 | 150.2 | 152.4 | 154.5 | 156.6 | 158.7 |
| 97.5° | 141.4 | 147.8 | 154.3 | 158.6 | 160.6 | 162.6 | 164.7 | 166.7 |
| 100° | 148.0 | 154.5 | 161.1 | 165.2 | 166.8 | 168.5 | 170.1 | 171.8 |
| 102.5° | 155.3 | 161.8 | 168.2 | 172.3 | 174.2 | 176.1 | 178.1 | 180.0 |
| 105° | 166.6 | 172.7 | 178.9 | 183.0 | 185.1 | 187.3 | 189.4 | 191.5 |
| 107.5° | 179.9 | 186.0 | 192.0 | 195.9 | 197.5 | 199.2 | 200.9 | 202.6 |
| 110° | 188.9 | 194.1 | 199.4 | 203.1 | 205.2 | 207.4 | 209.5 | 211.6 |



TEST NUMBER: P332584

CATALOG NUMBER: S124DIP-S795D365U835-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 198.3 | 203.5 | 208.8 | 212.3 | 214.3 | 216.2 | 218.2 | 220.1 |
| 115° | 213.6 | 218.7 | 223.8 | 227.2 | 228.8 | 230.3 | 231.9 | 233.5 |
| 117.5° | 227.5 | 232.2 | 236.8 | 240.0 | 241.8 | 243.5 | 245.2 | 247.0 |
| 120° | 237.1 | 241.4 | 245.7 | 248.9 | 251.0 | 253.0 | 255.1 | 257.1 |
| 122.5° | 247.2 | 251.7 | 256.1 | 259.1 | 260.5 | 261.9 | 263.3 | 264.7 |
| 125° | 262.5 | 266.8 | 271.2 | 274.0 | 275.2 | 276.5 | 277.7 | 279.0 |
| 127.5° | 275.8 | 279.9 | 284.0 | 286.8 | 288.2 | 289.7 | 291.2 | 292.7 |
| 130° | 285.7 | 289.7 | 293.8 | 296.4 | 297.6 | 298.7 | 299.8 | 300.9 |
| 132.5° | 295.2 | 299.1 | 303.0 | 305.6 | 306.9 | 308.2 | 309.5 | 310.7 |
| 135° | 308.3 | 312.0 | 315.6 | 318.0 | 319.2 | 320.4 | 321.6 | 322.7 |
| 137.5° | 322.1 | 325.3 | 328.6 | 330.8 | 332.0 | 333.3 | 334.5 | 335.7 |
| 140° | 331.4 | 334.4 | 337.4 | 339.5 | 340.6 | 341.7 | 342.8 | 343.9 |
| 142.5° | 341.0 | 343.7 | 346.3 | 348.2 | 349.1 | 350.1 | 351.1 | 352.1 |
| 145° | 356.0 | 357.4 | 358.7 | 359.7 | 360.5 | 361.2 | 361.9 | 362.6 |
| 147.5° | 369.9 | 370.1 | 370.2 | 370.6 | 371.3 | 372.0 | 372.6 | 373.3 |
| 150° | 379.9 | 379.9 | 379.9 | 379.8 | 379.8 | 379.7 | 379.6 | 379.5 |
| 152.5° | 389.6 | 389.8 | 390.0 | 389.9 | 389.7 | 389.5 | 389.3 | 389.1 |
| 155° | 403.1 | 403.4 | 403.7 | 403.7 | 403.4 | 403.1 | 402.8 | 402.5 |
| 157.5° | 415.0 | 415.3 | 415.5 | 415.5 | 415.2 | 415.0 | 414.7 | 414.4 |
| 160° | 422.4 | 422.6 | 422.9 | 422.8 | 422.4 | 422.0 | 421.6 | 421.2 |
| 162.5° | 429.0 | 429.4 | 429.8 | 429.8 | 429.5 | 429.1 | 428.7 | 428.3 |
| 165° | 437.7 | 438.2 | 438.6 | 438.7 | 438.4 | 438.1 | 437.8 | 437.5 |
| 167.5° | 445.1 | 445.5 | 446.0 | 446.0 | 445.5 | 445.0 | 444.5 | 444.0 |
| 170° | 449.0 | 449.5 | 450.0 | 449.9 | 449.4 | 448.8 | 448.3 | 447.7 |
| 172.5° | 452.0 | 452.5 | 453.0 | 453.0 | 452.5 | 451.9 | 451.4 | 450.8 |
| 175° | 455.2 | 455.7 | 456.3 | 456.3 | 455.7 | 455.2 | 454.6 | 454.1 |
| 177.5° | 456.9 | 457.4 | 457.8 | 457.8 | 457.3 | 456.8 | 456.3 | 455.8 |
| 180° | 456.9 | 456.9 | 456.9 | 456.9 | 456.9 | 456.9 | 456.9 | 456.9 |

(END OF REPORT)