

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: P332629-927

Luminaire Tested: **S124DIP-S1020D365U927-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332629-927
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-S1020D365U927-4F0-1E-UDD-D1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1020 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: 4339.4 lumens
Efficiency: N/A
Efficacy: 99.8 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

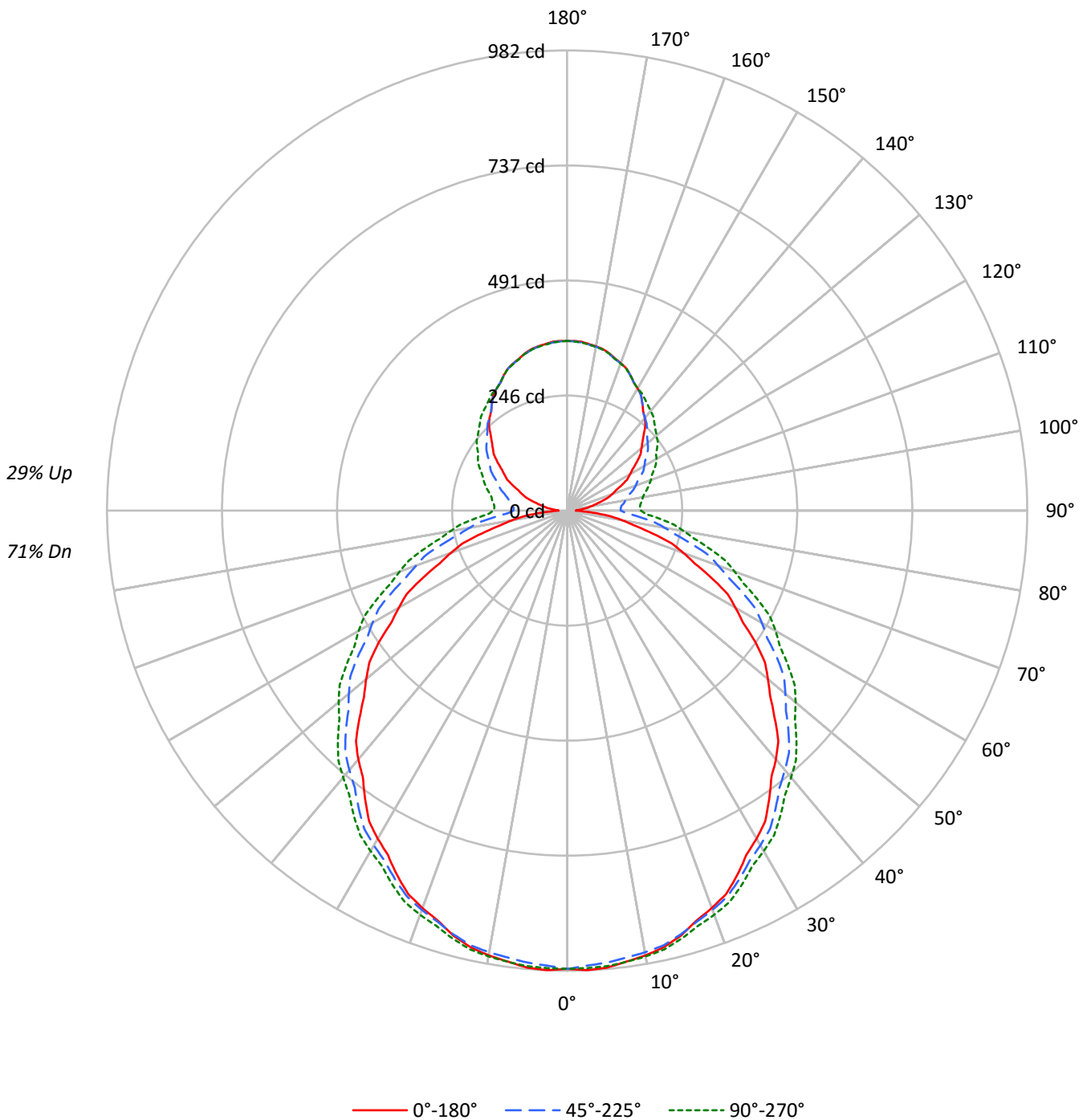
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332629-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P332629-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-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 | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 85 | 85 | 85 | 75 | 75 | 75 | 71 |
| 1 | 101 | 96 | 91 | 87 | 95 | 91 | 87 | 83 | 81 | 78 | 75 | 73 | 70 | 68 | 64 | 63 | 61 | 57 |
| 2 | 91 | 83 | 76 | 70 | 86 | 79 | 72 | 67 | 70 | 65 | 61 | 63 | 59 | 56 | 56 | 53 | 50 | 46 |
| 3 | 83 | 73 | 64 | 58 | 78 | 69 | 61 | 55 | 62 | 56 | 51 | 55 | 50 | 46 | 49 | 45 | 42 | 39 |
| 4 | 76 | 64 | 55 | 49 | 71 | 61 | 53 | 47 | 55 | 48 | 43 | 49 | 44 | 39 | 44 | 39 | 36 | 33 |
| 5 | 70 | 57 | 48 | 41 | 65 | 54 | 46 | 40 | 49 | 42 | 37 | 44 | 38 | 34 | 39 | 35 | 31 | 28 |
| 6 | 64 | 51 | 42 | 36 | 60 | 49 | 40 | 35 | 44 | 37 | 32 | 39 | 34 | 30 | 35 | 31 | 27 | 24 |
| 7 | 59 | 46 | 37 | 31 | 56 | 44 | 36 | 30 | 40 | 33 | 28 | 36 | 30 | 26 | 32 | 28 | 24 | 22 |
| 8 | 55 | 42 | 34 | 28 | 52 | 40 | 32 | 27 | 36 | 30 | 25 | 33 | 27 | 23 | 30 | 25 | 21 | 19 |
| 9 | 51 | 38 | 30 | 25 | 48 | 37 | 29 | 24 | 33 | 27 | 22 | 30 | 25 | 21 | 27 | 23 | 19 | 17 |
| 10 | 48 | 35 | 27 | 22 | 45 | 34 | 26 | 22 | 31 | 24 | 20 | 28 | 23 | 19 | 25 | 21 | 17 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7896 | 7896 | 7896 |
| 5° | 7920 | 7717 | 7739 |
| 10° | 7872 | 7591 | 7585 |
| 15° | 7802 | 7444 | 7404 |
| 20° | 7695 | 7284 | 7227 |
| 25° | 7575 | 7102 | 7034 |
| 30° | 7445 | 6922 | 6835 |
| 35° | 7299 | 6739 | 6660 |
| 40° | 7181 | 6564 | 6478 |
| 45° | 7007 | 6402 | 6322 |
| 50° | 6859 | 6215 | 6158 |
| 55° | 6707 | 6040 | 5964 |
| 60° | 6469 | 5816 | 5788 |
| 65° | 6208 | 5578 | 5571 |
| 70° | 5894 | 5303 | 5319 |
| 75° | 5453 | 5001 | 5089 |
| 80° | 4964 | 4711 | 4865 |
| 85° | 4347 | 4456 | 4735 |



TEST NUMBER: P332629-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 92.6 | 2.1 |
| 10°-20° | 265.4 | 6.1 |
| 20°-30° | 401.3 | 9.2 |
| 30°-40° | 485.5 | 11.2 |
| 40°-50° | 513.3 | 11.8 |
| 50°-60° | 483.1 | 11.1 |
| 60°-70° | 400.8 | 9.2 |
| 70°-80° | 281.5 | 6.5 |
| 80°-90° | 160.2 | 3.7 |
| 90°-100° | 118.4 | 2.7 |
| 100°-110° | 140.7 | 3.2 |
| 110°-120° | 167.0 | 3.8 |
| 120°-130° | 184.8 | 4.3 |
| 130°-140° | 189.2 | 4.4 |
| 140°-150° | 177.0 | 4.1 |
| 150°-160° | 146.9 | 3.4 |
| 160°-170° | 97.7 | 2.3 |
| 170°-180° | 34.2 | 0.8 |
| 0°-30° | 759.3 | 17.5 |
| 0°-40° | 1244.8 | 28.7 |
| 0°-60° | 2241.1 | 51.6 |
| 0°-90° | 3083.6 | 71.1 |
| 90°-120° | 426.0 | 9.8 |
| 90°-150° | 977.0 | 22.5 |
| 90°-180° | 1256.0 | 28.9 |
| 0°-180° | 4339.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 978 | 978 | 978 | 978 | 978 | |
| 5° | 979 | 976 | 968 | 976 | 976 | 93 |
| 15° | 939 | 940 | 936 | 946 | 945 | 264 |
| 25° | 859 | 865 | 868 | 880 | 882 | 395 |
| 35° | 751 | 764 | 776 | 790 | 794 | 470 |
| 45° | 626 | 647 | 668 | 686 | 692 | 484 |
| 55° | 491 | 514 | 546 | 568 | 575 | 437 |
| 65° | 340 | 375 | 412 | 438 | 448 | 336 |
| 75° | 188 | 229 | 275 | 304 | 315 | 200 |
| 85° | 58 | 104 | 153 | 185 | 197 | 62 |
| 90° | 18 | 65 | 115 | 147 | 157 | 13 |
| 95° | 31 | 70 | 116 | 146 | 157 | 30 |
| 105° | 75 | 98 | 139 | 166 | 177 | 80 |
| 115° | 129 | 140 | 173 | 196 | 204 | 127 |
| 125° | 182 | 183 | 208 | 228 | 234 | 163 |
| 135° | 232 | 234 | 241 | 257 | 264 | 179 |
| 145° | 280 | 280 | 280 | 286 | 290 | 175 |
| 155° | 319 | 319 | 319 | 320 | 319 | 147 |
| 165° | 347 | 347 | 346 | 348 | 347 | 98 |
| 175° | 361 | 360 | 360 | 362 | 360 | 34 |
| 180° | 362 | 362 | 362 | 362 | 362 | |



TEST NUMBER: P332629-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 978.1 | 978.1 | 978.1 | 978.1 | 978.1 | 978.1 | 978.1 | 978.1 | 978.1 | 978.1 | 978.1 |
| 2.5° | 981.6 | 981.0 | 980.4 | 979.9 | 979.2 | 978.2 | 976.6 | 975.1 | 973.5 | 971.9 | 973.3 |
| 5° | 979.1 | 978.4 | 977.7 | 977.0 | 976.3 | 975.0 | 973.4 | 971.6 | 969.9 | 968.2 | 970.2 |
| 7.5° | 970.8 | 970.4 | 969.9 | 969.6 | 969.1 | 968.2 | 966.8 | 965.4 | 963.9 | 962.5 | 964.7 |
| 10° | 963.8 | 963.6 | 963.4 | 963.1 | 962.9 | 962.1 | 960.9 | 959.7 | 958.5 | 957.3 | 959.5 |
| 12.5° | 954.2 | 954.2 | 954.1 | 954.0 | 954.0 | 953.5 | 952.8 | 951.9 | 951.1 | 950.2 | 952.3 |
| 15° | 938.7 | 938.9 | 939.1 | 939.4 | 939.6 | 939.4 | 938.7 | 937.9 | 937.2 | 936.4 | 938.7 |
| 17.5° | 917.4 | 918.1 | 918.9 | 919.6 | 920.4 | 920.6 | 920.4 | 920.4 | 920.2 | 920.0 | 922.3 |
| 20° | 902.5 | 903.2 | 904.0 | 904.7 | 905.5 | 905.9 | 906.2 | 906.4 | 906.7 | 906.9 | 909.3 |
| 22.5° | 885.8 | 886.8 | 887.7 | 888.7 | 889.5 | 890.3 | 890.7 | 891.1 | 891.5 | 892.0 | 894.5 |
| 25° | 858.7 | 860.2 | 861.6 | 863.1 | 864.5 | 865.6 | 866.3 | 867.1 | 867.8 | 868.5 | 871.2 |
| 27.5° | 828.5 | 830.6 | 832.7 | 834.9 | 837.0 | 838.7 | 839.8 | 840.9 | 842.0 | 843.1 | 845.7 |
| 30° | 808.3 | 810.2 | 812.2 | 814.1 | 816.1 | 817.9 | 819.6 | 821.3 | 823.0 | 824.7 | 827.4 |
| 32.5° | 786.4 | 788.8 | 791.1 | 793.4 | 795.7 | 797.9 | 799.8 | 801.7 | 803.6 | 805.5 | 808.5 |
| 35° | 751.4 | 754.3 | 757.2 | 760.1 | 763.0 | 765.7 | 768.2 | 770.6 | 773.0 | 775.5 | 778.9 |
| 37.5° | 716.1 | 719.5 | 722.8 | 726.2 | 729.5 | 732.7 | 735.7 | 738.7 | 741.8 | 744.8 | 748.2 |
| 40° | 693.3 | 696.5 | 699.7 | 702.8 | 706.0 | 709.2 | 712.6 | 716.1 | 719.5 | 722.9 | 726.5 |
| 42.5° | 667.0 | 670.6 | 674.1 | 677.7 | 681.2 | 685.0 | 689.0 | 693.0 | 697.0 | 701.0 | 705.0 |
| 45° | 626.5 | 631.1 | 635.7 | 640.4 | 645.0 | 649.6 | 654.3 | 658.9 | 663.5 | 668.1 | 672.2 |
| 47.5° | 587.7 | 592.5 | 597.2 | 602.1 | 606.8 | 611.9 | 617.2 | 622.6 | 628.0 | 633.3 | 637.5 |
| 50° | 559.7 | 565.1 | 570.4 | 575.8 | 581.1 | 586.5 | 591.8 | 597.1 | 602.5 | 607.8 | 612.8 |
| 52.5° | 531.6 | 537.0 | 542.3 | 547.7 | 553.1 | 558.8 | 564.9 | 571.1 | 577.2 | 583.4 | 588.2 |
| 55° | 490.7 | 495.8 | 500.9 | 506.0 | 511.1 | 517.3 | 524.7 | 532.0 | 539.2 | 546.5 | 551.4 |
| 57.5° | 444.9 | 451.2 | 457.6 | 463.9 | 470.2 | 477.0 | 484.3 | 491.5 | 498.8 | 506.0 | 511.8 |
| 60° | 415.1 | 421.4 | 427.8 | 434.1 | 440.5 | 447.6 | 455.7 | 463.7 | 471.7 | 479.7 | 485.3 |
| 62.5° | 386.2 | 393.1 | 400.1 | 406.9 | 413.8 | 421.3 | 429.4 | 437.4 | 445.4 | 453.4 | 459.1 |
| 65° | 339.5 | 347.3 | 355.1 | 362.9 | 370.7 | 378.7 | 387.0 | 395.3 | 403.5 | 411.9 | 417.9 |
| 67.5° | 294.6 | 302.9 | 311.2 | 319.5 | 327.7 | 336.3 | 345.2 | 354.0 | 362.9 | 371.8 | 378.0 |
| 70° | 264.0 | 272.3 | 280.5 | 288.8 | 297.1 | 305.9 | 315.1 | 324.3 | 333.6 | 342.9 | 349.4 |
| 72.5° | 234.2 | 242.6 | 251.1 | 259.6 | 268.1 | 277.2 | 287.0 | 296.8 | 306.7 | 316.6 | 322.9 |
| 75° | 188.4 | 197.4 | 206.4 | 215.4 | 224.4 | 234.0 | 244.2 | 254.4 | 264.7 | 274.9 | 281.7 |
| 77.5° | 145.7 | 155.2 | 164.8 | 174.3 | 183.9 | 193.9 | 204.7 | 215.4 | 226.1 | 236.8 | 243.7 |
| 80° | 119.4 | 129.1 | 138.9 | 148.6 | 158.4 | 168.6 | 179.3 | 190.0 | 200.7 | 211.4 | 218.7 |
| 82.5° | 93.1 | 103.2 | 113.4 | 123.5 | 133.6 | 144.0 | 154.7 | 165.4 | 176.2 | 186.9 | 194.3 |
| 85° | 58.1 | 68.3 | 78.5 | 88.7 | 98.9 | 109.6 | 120.5 | 131.4 | 142.4 | 153.4 | 160.7 |
| 87.5° | 32.6 | 42.6 | 52.8 | 62.8 | 72.9 | 83.3 | 94.0 | 104.8 | 115.6 | 126.3 | 133.5 |
| 90° | 18.4 | 28.8 | 39.2 | 49.6 | 60.0 | 70.7 | 81.7 | 92.7 | 103.6 | 114.6 | 122.0 |
| 92.5° | 22.7 | 32.2 | 41.7 | 51.3 | 60.8 | 71.0 | 81.8 | 92.6 | 103.5 | 114.2 | 121.4 |
| 95° | 31.1 | 39.6 | 48.2 | 56.8 | 65.4 | 74.9 | 85.3 | 95.7 | 106.2 | 116.5 | 123.3 |
| 97.5° | 42.2 | 49.6 | 57.0 | 64.3 | 71.7 | 80.6 | 90.9 | 101.4 | 111.8 | 122.2 | 128.7 |
| 100° | 51.3 | 57.8 | 64.4 | 71.0 | 77.6 | 85.9 | 95.9 | 106.0 | 116.1 | 126.0 | 132.8 |
| 102.5° | 61.6 | 67.2 | 72.8 | 78.5 | 84.1 | 91.9 | 101.6 | 111.5 | 121.3 | 131.1 | 137.7 |
| 105° | 75.1 | 80.0 | 84.9 | 89.8 | 94.8 | 101.9 | 111.1 | 120.4 | 129.7 | 138.9 | 145.2 |
| 107.5° | 91.3 | 95.5 | 99.5 | 103.5 | 107.7 | 113.9 | 122.5 | 131.1 | 139.7 | 148.2 | 154.3 |
| 110° | 101.7 | 105.2 | 108.8 | 112.3 | 115.8 | 121.8 | 130.3 | 138.7 | 147.2 | 155.7 | 161.1 |



TEST NUMBER: P332629-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 112.5 | 115.5 | 118.6 | 121.6 | 124.6 | 130.2 | 138.2 | 146.2 | 154.2 | 162.2 | 167.6 |
| 115° | 128.7 | 130.8 | 133.0 | 135.2 | 137.4 | 142.3 | 150.0 | 157.6 | 165.3 | 172.9 | 178.2 |
| 117.5° | 144.9 | 146.2 | 147.6 | 148.9 | 150.4 | 154.6 | 161.8 | 168.9 | 176.1 | 183.2 | 188.1 |
| 120° | 155.0 | 155.9 | 156.9 | 157.9 | 158.9 | 162.8 | 169.7 | 176.6 | 183.4 | 190.3 | 194.9 |
| 122.5° | 166.4 | 166.6 | 166.8 | 167.2 | 167.4 | 170.8 | 177.4 | 183.9 | 190.5 | 197.1 | 201.8 |
| 125° | 182.1 | 181.9 | 181.6 | 181.4 | 181.2 | 184.0 | 190.0 | 196.1 | 202.1 | 208.1 | 212.6 |
| 127.5° | 197.2 | 197.2 | 197.1 | 197.0 | 196.9 | 199.2 | 203.8 | 208.3 | 212.9 | 217.5 | 221.8 |
| 130° | 207.1 | 207.0 | 207.0 | 206.9 | 206.8 | 208.7 | 212.6 | 216.6 | 220.5 | 224.3 | 228.6 |
| 132.5° | 218.1 | 217.9 | 217.9 | 217.7 | 217.6 | 219.1 | 222.1 | 225.2 | 228.3 | 231.4 | 235.4 |
| 135° | 231.5 | 231.8 | 232.2 | 232.6 | 233.0 | 234.0 | 235.7 | 237.4 | 239.1 | 240.8 | 244.5 |
| 137.5° | 247.2 | 247.2 | 247.1 | 247.0 | 247.0 | 247.4 | 248.3 | 249.2 | 250.2 | 251.1 | 254.5 |
| 140° | 257.8 | 257.6 | 257.5 | 257.4 | 257.3 | 257.4 | 257.6 | 257.9 | 258.1 | 258.3 | 261.4 |
| 142.5° | 266.5 | 266.6 | 266.6 | 266.7 | 266.8 | 266.7 | 266.6 | 266.4 | 266.2 | 266.0 | 268.7 |
| 145° | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.7 | 279.7 | 279.8 | 279.9 | 280.0 | 281.3 |
| 147.5° | 292.9 | 292.9 | 292.9 | 293.0 | 293.0 | 293.0 | 293.0 | 292.9 | 292.9 | 292.9 | 293.0 |
| 150° | 300.9 | 300.9 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 |
| 152.5° | 307.6 | 307.8 | 307.8 | 307.9 | 308.1 | 308.1 | 308.2 | 308.2 | 308.2 | 308.3 | 308.5 |
| 155° | 319.1 | 319.1 | 319.1 | 319.1 | 319.1 | 319.1 | 319.0 | 318.9 | 318.9 | 318.9 | 319.1 |
| 157.5° | 329.0 | 328.8 | 328.8 | 328.7 | 328.5 | 328.4 | 328.4 | 328.4 | 328.4 | 328.4 | 328.6 |
| 160° | 334.8 | 334.7 | 334.7 | 334.6 | 334.5 | 334.5 | 334.5 | 334.4 | 334.3 | 334.2 | 334.5 |
| 162.5° | 340.2 | 340.0 | 339.8 | 339.7 | 339.5 | 339.5 | 339.4 | 339.3 | 339.2 | 339.1 | 339.5 |
| 165° | 347.4 | 347.2 | 347.1 | 346.8 | 346.7 | 346.5 | 346.3 | 346.3 | 346.1 | 346.0 | 346.3 |
| 167.5° | 352.9 | 352.7 | 352.4 | 352.1 | 351.9 | 351.7 | 351.8 | 351.8 | 351.8 | 351.8 | 352.2 |
| 170° | 356.1 | 355.8 | 355.5 | 355.1 | 354.8 | 354.7 | 354.7 | 354.8 | 354.9 | 355.0 | 355.3 |
| 172.5° | 358.3 | 358.1 | 357.7 | 357.5 | 357.3 | 357.1 | 357.1 | 357.2 | 357.2 | 357.2 | 357.6 |
| 175° | 361.4 | 361.1 | 360.8 | 360.4 | 360.1 | 360.0 | 359.9 | 359.8 | 359.8 | 359.7 | 360.1 |
| 177.5° | 362.4 | 362.2 | 361.9 | 361.6 | 361.4 | 361.3 | 361.3 | 361.3 | 361.3 | 361.3 | 361.6 |
| 180° | 361.9 | 361.9 | 361.9 | 361.9 | 361.9 | 361.9 | 361.9 | 361.9 | 361.9 | 361.9 | 361.9 |



TEST NUMBER: P332629-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 978.1 | 978.1 | 978.1 | 978.1 | 978.1 | 978.1 | 978.1 | 978.1 |
| 2.5° | 974.7 | 976.0 | 977.4 | 977.9 | 977.8 | 977.6 | 977.4 | 977.2 |
| 5° | 972.1 | 974.1 | 976.0 | 976.8 | 976.6 | 976.4 | 976.1 | 975.9 |
| 7.5° | 966.9 | 969.1 | 971.3 | 972.2 | 972.0 | 971.8 | 971.5 | 971.3 |
| 10° | 961.6 | 963.8 | 966.1 | 967.0 | 966.8 | 966.5 | 966.3 | 966.1 |
| 12.5° | 954.3 | 956.2 | 958.2 | 959.3 | 959.2 | 959.1 | 959.1 | 959.0 |
| 15° | 940.9 | 943.0 | 945.2 | 946.2 | 945.9 | 945.7 | 945.5 | 945.2 |
| 17.5° | 924.5 | 926.8 | 929.0 | 930.0 | 929.8 | 929.6 | 929.4 | 929.2 |
| 20° | 911.7 | 914.2 | 916.6 | 917.8 | 917.8 | 917.8 | 917.8 | 917.8 |
| 22.5° | 896.8 | 899.3 | 901.7 | 903.2 | 903.6 | 903.9 | 904.3 | 904.7 |
| 25° | 873.9 | 876.5 | 879.2 | 880.7 | 881.0 | 881.2 | 881.5 | 881.7 |
| 27.5° | 848.1 | 850.6 | 853.1 | 854.4 | 854.8 | 855.1 | 855.3 | 855.6 |
| 30° | 830.1 | 832.7 | 835.4 | 837.0 | 837.5 | 838.0 | 838.5 | 839.0 |
| 32.5° | 811.6 | 814.7 | 817.8 | 819.5 | 820.0 | 820.5 | 820.9 | 821.5 |
| 35° | 782.3 | 785.7 | 789.1 | 791.2 | 791.9 | 792.6 | 793.4 | 794.1 |
| 37.5° | 751.7 | 755.2 | 758.6 | 760.7 | 761.5 | 762.3 | 763.0 | 763.8 |
| 40° | 730.2 | 733.8 | 737.5 | 739.8 | 740.8 | 741.7 | 742.8 | 743.7 |
| 42.5° | 709.1 | 713.1 | 717.2 | 719.5 | 720.3 | 721.1 | 721.9 | 722.6 |
| 45° | 676.4 | 680.6 | 684.7 | 687.4 | 688.6 | 689.8 | 691.0 | 692.2 |
| 47.5° | 641.8 | 646.1 | 650.5 | 653.3 | 654.7 | 656.2 | 657.7 | 659.2 |
| 50° | 617.6 | 622.5 | 627.3 | 630.5 | 632.0 | 633.4 | 634.9 | 636.4 |
| 52.5° | 593.1 | 597.9 | 602.9 | 605.9 | 607.4 | 608.9 | 610.4 | 611.8 |
| 55° | 556.3 | 561.2 | 566.0 | 569.2 | 570.6 | 572.1 | 573.5 | 575.0 |
| 57.5° | 517.6 | 523.4 | 529.2 | 532.7 | 534.1 | 535.5 | 536.9 | 538.2 |
| 60° | 490.9 | 496.5 | 502.1 | 505.9 | 507.9 | 509.8 | 511.7 | 513.7 |
| 62.5° | 464.6 | 470.2 | 475.9 | 479.6 | 481.6 | 483.5 | 485.4 | 487.4 |
| 65° | 424.0 | 430.1 | 436.2 | 440.2 | 442.1 | 444.1 | 446.0 | 448.0 |
| 67.5° | 384.1 | 390.3 | 396.5 | 400.5 | 402.4 | 404.3 | 406.2 | 408.1 |
| 70° | 355.9 | 362.5 | 369.1 | 373.3 | 374.9 | 376.7 | 378.3 | 380.1 |
| 72.5° | 329.3 | 335.6 | 342.1 | 346.2 | 348.1 | 350.0 | 351.9 | 353.8 |
| 75° | 288.5 | 295.3 | 302.1 | 306.7 | 308.9 | 311.1 | 313.2 | 315.4 |
| 77.5° | 250.6 | 257.5 | 264.4 | 269.1 | 271.4 | 273.8 | 276.1 | 278.5 |
| 80° | 226.0 | 233.3 | 240.6 | 245.2 | 247.2 | 249.1 | 251.0 | 253.0 |
| 82.5° | 201.8 | 209.4 | 216.8 | 221.7 | 223.8 | 225.9 | 228.1 | 230.2 |
| 85° | 167.9 | 175.2 | 182.5 | 187.4 | 189.9 | 192.3 | 194.7 | 197.2 |
| 87.5° | 140.6 | 147.7 | 154.9 | 159.5 | 161.7 | 163.8 | 166.0 | 168.2 |
| 90° | 129.4 | 136.9 | 144.3 | 149.1 | 151.1 | 153.2 | 155.3 | 157.3 |
| 92.5° | 128.4 | 135.5 | 142.6 | 147.2 | 149.2 | 151.2 | 153.2 | 155.3 |
| 95° | 130.1 | 136.8 | 143.6 | 148.1 | 150.3 | 152.4 | 154.6 | 156.9 |
| 97.5° | 135.4 | 142.0 | 148.5 | 152.9 | 155.0 | 157.1 | 159.1 | 161.3 |
| 100° | 139.4 | 146.2 | 152.9 | 157.1 | 158.8 | 160.5 | 162.2 | 163.9 |
| 102.5° | 144.2 | 150.8 | 157.3 | 161.5 | 163.5 | 165.4 | 167.4 | 169.4 |
| 105° | 151.5 | 157.7 | 164.0 | 168.2 | 170.3 | 172.5 | 174.6 | 176.7 |
| 107.5° | 160.5 | 166.7 | 172.9 | 176.8 | 178.5 | 180.2 | 182.0 | 183.7 |
| 110° | 166.6 | 172.1 | 177.5 | 181.3 | 183.5 | 185.6 | 187.7 | 189.9 |



TEST NUMBER: P332629-927

CATALOG NUMBER: S124DIP-S1020D365U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 173.0 | 178.4 | 183.8 | 187.4 | 189.4 | 191.4 | 193.4 | 195.4 |
| 115° | 183.5 | 188.9 | 194.2 | 197.6 | 199.2 | 200.9 | 202.6 | 204.1 |
| 117.5° | 193.0 | 197.8 | 202.6 | 206.0 | 207.8 | 209.6 | 211.4 | 213.3 |
| 120° | 199.4 | 204.0 | 208.5 | 211.8 | 213.9 | 215.9 | 218.0 | 220.1 |
| 122.5° | 206.4 | 211.0 | 215.7 | 218.8 | 220.4 | 221.9 | 223.4 | 224.9 |
| 125° | 217.1 | 221.7 | 226.2 | 229.1 | 230.4 | 231.7 | 233.1 | 234.4 |
| 127.5° | 226.0 | 230.3 | 234.6 | 237.5 | 239.0 | 240.6 | 242.1 | 243.7 |
| 130° | 232.8 | 237.1 | 241.4 | 244.1 | 245.3 | 246.5 | 247.7 | 249.0 |
| 132.5° | 239.5 | 243.5 | 247.6 | 250.3 | 251.7 | 253.0 | 254.4 | 255.8 |
| 135° | 248.3 | 252.1 | 255.9 | 258.4 | 259.7 | 260.9 | 262.2 | 263.5 |
| 137.5° | 257.9 | 261.3 | 264.7 | 267.0 | 268.2 | 269.5 | 270.8 | 272.0 |
| 140° | 264.5 | 267.6 | 270.8 | 272.8 | 274.0 | 275.2 | 276.3 | 277.5 |
| 142.5° | 271.5 | 274.3 | 277.0 | 278.9 | 280.0 | 280.9 | 281.9 | 283.0 |
| 145° | 282.7 | 284.2 | 285.5 | 286.6 | 287.4 | 288.2 | 289.0 | 289.8 |
| 147.5° | 293.2 | 293.3 | 293.4 | 293.9 | 294.6 | 295.3 | 296.0 | 296.8 |
| 150° | 301.0 | 301.0 | 301.0 | 300.9 | 300.9 | 300.8 | 300.7 | 300.6 |
| 152.5° | 308.6 | 308.8 | 309.0 | 308.9 | 308.7 | 308.6 | 308.4 | 308.2 |
| 155° | 319.3 | 319.6 | 319.8 | 319.8 | 319.6 | 319.3 | 319.1 | 318.9 |
| 157.5° | 328.8 | 329.0 | 329.2 | 329.2 | 328.9 | 328.8 | 328.5 | 328.3 |
| 160° | 334.6 | 334.8 | 335.0 | 334.9 | 334.6 | 334.3 | 334.0 | 333.7 |
| 162.5° | 339.8 | 340.2 | 340.5 | 340.5 | 340.2 | 339.9 | 339.6 | 339.3 |
| 165° | 346.7 | 347.1 | 347.5 | 347.5 | 347.3 | 347.1 | 346.8 | 346.6 |
| 167.5° | 352.6 | 352.9 | 353.3 | 353.3 | 352.9 | 352.5 | 352.1 | 351.7 |
| 170° | 355.7 | 356.1 | 356.5 | 356.4 | 356.0 | 355.5 | 355.1 | 354.7 |
| 172.5° | 358.1 | 358.5 | 358.9 | 358.9 | 358.5 | 358.0 | 357.6 | 357.1 |
| 175° | 360.6 | 361.0 | 361.5 | 361.5 | 361.0 | 360.6 | 360.1 | 359.7 |
| 177.5° | 361.9 | 362.3 | 362.7 | 362.7 | 362.3 | 361.9 | 361.5 | 361.1 |
| 180° | 361.9 | 361.9 | 361.9 | 361.9 | 361.9 | 361.9 | 361.9 | 361.9 |

(END OF REPORT)