

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: P332742-930

Luminaire Tested: **S124DIW-S350D1560U930-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332742-930
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: S124DIW-S350D1560U930-4F0-1E-UDD-D1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5589.5 lumens
Efficiency: N/A
Efficacy: 104.7 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

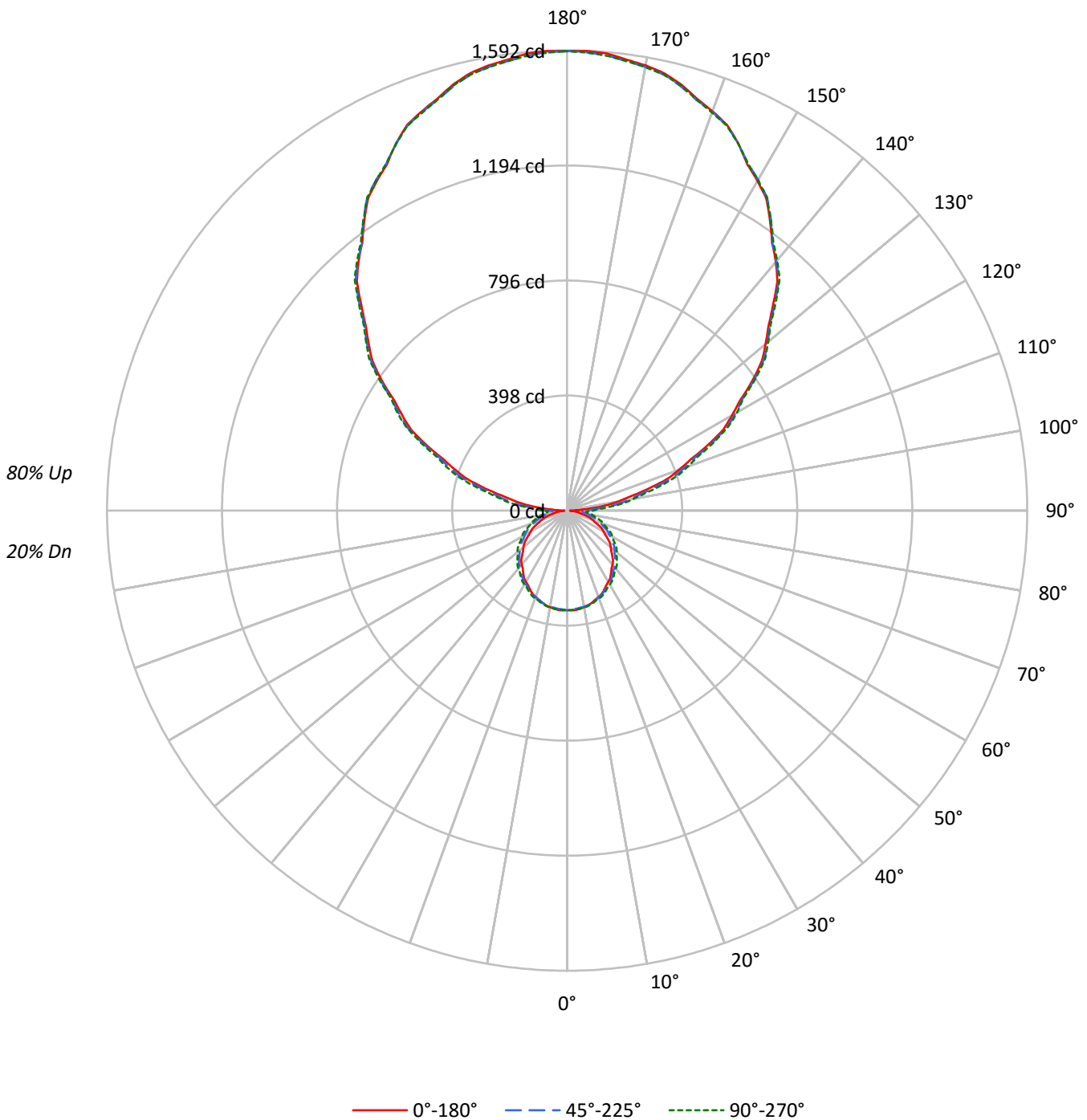
Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332742-930

CATALOG NUMBER: S124DIW-S350D1560U930-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P332742-930

CATALOG NUMBER: S124DIW-S350D1560U930-4F0-1E-UDD-D1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR | | | | | | | | | | | | | | | | | |
| 0 | 100 | 100 | 100 | 100 | 88 | 88 | 88 | 88 | 66 | 66 | 66 | 46 | 46 | 46 | 28 | 28 | 28 |
| 1 | 91 | 86 | 82 | 79 | 80 | 76 | 73 | 70 | 57 | 55 | 53 | 40 | 39 | 38 | 24 | 23 | 23 |
| 2 | 82 | 75 | 69 | 64 | 72 | 66 | 61 | 57 | 50 | 47 | 44 | 35 | 33 | 31 | 21 | 20 | 19 |
| 3 | 75 | 66 | 59 | 53 | 66 | 58 | 52 | 47 | 44 | 40 | 36 | 31 | 28 | 26 | 18 | 17 | 16 |
| 4 | 68 | 58 | 50 | 44 | 60 | 51 | 45 | 40 | 39 | 34 | 31 | 27 | 24 | 22 | 16 | 15 | 14 |
| 5 | 62 | 51 | 43 | 38 | 55 | 45 | 39 | 34 | 34 | 30 | 26 | 24 | 21 | 19 | 15 | 13 | 12 |
| 6 | 57 | 46 | 38 | 32 | 50 | 41 | 34 | 29 | 31 | 26 | 23 | 22 | 19 | 16 | 13 | 11 | 10 |
| 7 | 53 | 41 | 33 | 28 | 46 | 36 | 30 | 25 | 28 | 23 | 20 | 20 | 17 | 14 | 12 | 10 | 9 |
| 8 | 49 | 37 | 30 | 25 | 43 | 33 | 27 | 22 | 25 | 21 | 17 | 18 | 15 | 13 | 11 | 9 | 8 |
| 9 | 45 | 34 | 26 | 22 | 40 | 30 | 24 | 20 | 23 | 18 | 15 | 16 | 13 | 11 | 10 | 8 | 7 |
| 10 | 42 | 31 | 24 | 19 | 37 | 27 | 21 | 17 | 21 | 17 | 14 | 15 | 12 | 10 | 9 | 8 | 6 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2782 | 2782 | 2782 |
| 5° | 2791 | 2719 | 2726 |
| 10° | 2774 | 2675 | 2673 |
| 15° | 2749 | 2623 | 2608 |
| 20° | 2711 | 2566 | 2547 |
| 25° | 2669 | 2503 | 2478 |
| 30° | 2623 | 2439 | 2408 |
| 35° | 2571 | 2374 | 2347 |
| 40° | 2530 | 2313 | 2282 |
| 45° | 2468 | 2256 | 2228 |
| 50° | 2417 | 2190 | 2169 |
| 55° | 2363 | 2129 | 2101 |
| 60° | 2280 | 2049 | 2039 |
| 65° | 2187 | 1965 | 1962 |
| 70° | 2076 | 1868 | 1874 |
| 75° | 1922 | 1763 | 1793 |
| 80° | 1750 | 1660 | 1713 |
| 85° | 1534 | 1571 | 1669 |



TEST NUMBER: P332742-930

CATALOG NUMBER: S124DIW-S350D1560U930-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 32.6 | 0.6 |
| 10°-20° | 93.5 | 1.7 |
| 20°-30° | 141.4 | 2.5 |
| 30°-40° | 171.1 | 3.1 |
| 40°-50° | 180.8 | 3.2 |
| 50°-60° | 170.2 | 3.0 |
| 60°-70° | 141.2 | 2.5 |
| 70°-80° | 99.2 | 1.8 |
| 80°-90° | 60.8 | 1.1 |
| 90°-100° | 138.1 | 2.5 |
| 100°-110° | 335.2 | 6.0 |
| 110°-120° | 543.7 | 9.7 |
| 120°-130° | 704.4 | 12.6 |
| 130°-140° | 784.6 | 14.0 |
| 140°-150° | 767.9 | 13.7 |
| 150°-160° | 645.2 | 11.5 |
| 160°-170° | 429.2 | 7.7 |
| 170°-180° | 150.3 | 2.7 |
| 0°-30° | 267.5 | 4.8 |
| 0°-40° | 438.6 | 7.8 |
| 0°-60° | 789.6 | 14.1 |
| 0°-90° | 1090.8 | 19.5 |
| 90°-120° | 1017.0 | 18.2 |
| 90°-150° | 3274.0 | 58.6 |
| 90°-180° | 4499.0 | 80.5 |
| 0°-180° | 5589.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 345 | 345 | 345 | 345 | 345 | |
| 5° | 345 | 344 | 341 | 344 | 344 | 33 |
| 15° | 331 | 331 | 330 | 333 | 333 | 93 |
| 25° | 303 | 305 | 306 | 310 | 311 | 139 |
| 35° | 265 | 269 | 273 | 278 | 280 | 166 |
| 45° | 221 | 228 | 235 | 242 | 244 | 171 |
| 55° | 173 | 181 | 193 | 200 | 203 | 154 |
| 65° | 120 | 132 | 145 | 154 | 158 | 119 |
| 75° | 66 | 81 | 97 | 107 | 111 | 71 |
| 85° | 20 | 37 | 54 | 65 | 70 | 22 |
| 90° | 10 | 39 | 65 | 83 | 89 | 9 |
| 95° | 79 | 103 | 127 | 141 | 145 | 86 |
| 105° | 290 | 299 | 318 | 331 | 338 | 308 |
| 115° | 538 | 542 | 552 | 559 | 560 | 531 |
| 125° | 782 | 782 | 790 | 795 | 795 | 697 |
| 135° | 1008 | 1015 | 1018 | 1021 | 1020 | 779 |
| 145° | 1224 | 1228 | 1229 | 1230 | 1228 | 765 |
| 155° | 1401 | 1401 | 1400 | 1405 | 1400 | 645 |
| 165° | 1526 | 1522 | 1520 | 1526 | 1522 | 430 |
| 175° | 1587 | 1581 | 1580 | 1587 | 1580 | 151 |
| 180° | 1590 | 1590 | 1590 | 1590 | 1590 | |



TEST NUMBER: P332742-930

CATALOG NUMBER: S124DIW-S350D1560U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 |
| 2.5° | 345.8 | 345.6 | 345.4 | 345.2 | 345.0 | 344.6 | 344.1 | 343.6 | 343.0 | 342.4 | 342.9 |
| 5° | 345.0 | 344.7 | 344.5 | 344.2 | 344.0 | 343.6 | 342.9 | 342.3 | 341.8 | 341.1 | 341.9 |
| 7.5° | 342.1 | 341.9 | 341.8 | 341.6 | 341.4 | 341.1 | 340.6 | 340.1 | 339.7 | 339.2 | 339.9 |
| 10° | 339.6 | 339.5 | 339.4 | 339.3 | 339.2 | 339.0 | 338.6 | 338.1 | 337.7 | 337.3 | 338.0 |
| 12.5° | 336.2 | 336.1 | 336.1 | 336.1 | 336.1 | 336.0 | 335.7 | 335.4 | 335.1 | 334.8 | 335.5 |
| 15° | 330.7 | 330.8 | 330.9 | 331.0 | 331.1 | 331.0 | 330.7 | 330.4 | 330.2 | 330.0 | 330.7 |
| 17.5° | 323.3 | 323.5 | 323.8 | 324.0 | 324.2 | 324.4 | 324.3 | 324.2 | 324.2 | 324.2 | 325.0 |
| 20° | 318.0 | 318.2 | 318.5 | 318.8 | 319.0 | 319.2 | 319.3 | 319.4 | 319.4 | 319.5 | 320.4 |
| 22.5° | 312.1 | 312.4 | 312.7 | 313.1 | 313.4 | 313.6 | 313.8 | 314.0 | 314.1 | 314.3 | 315.1 |
| 25° | 302.6 | 303.0 | 303.6 | 304.1 | 304.6 | 305.0 | 305.2 | 305.5 | 305.7 | 306.1 | 307.0 |
| 27.5° | 291.9 | 292.7 | 293.4 | 294.2 | 294.9 | 295.5 | 295.9 | 296.3 | 296.7 | 297.1 | 297.9 |
| 30° | 284.8 | 285.5 | 286.2 | 286.8 | 287.6 | 288.2 | 288.8 | 289.3 | 290.0 | 290.6 | 291.6 |
| 32.5° | 277.1 | 277.9 | 278.8 | 279.6 | 280.4 | 281.1 | 281.8 | 282.4 | 283.2 | 283.8 | 284.9 |
| 35° | 264.7 | 265.8 | 266.8 | 267.8 | 268.9 | 269.8 | 270.7 | 271.5 | 272.4 | 273.2 | 274.4 |
| 37.5° | 252.3 | 253.5 | 254.7 | 255.8 | 257.1 | 258.1 | 259.3 | 260.3 | 261.4 | 262.4 | 263.7 |
| 40° | 244.3 | 245.4 | 246.5 | 247.6 | 248.7 | 249.9 | 251.1 | 252.3 | 253.5 | 254.7 | 256.0 |
| 42.5° | 235.1 | 236.3 | 237.5 | 238.8 | 240.0 | 241.3 | 242.8 | 244.2 | 245.6 | 247.0 | 248.4 |
| 45° | 220.7 | 222.3 | 224.0 | 225.6 | 227.2 | 228.9 | 230.5 | 232.1 | 233.7 | 235.4 | 236.8 |
| 47.5° | 207.1 | 208.8 | 210.4 | 212.1 | 213.8 | 215.6 | 217.4 | 219.4 | 221.3 | 223.1 | 224.6 |
| 50° | 197.2 | 199.1 | 201.0 | 202.8 | 204.7 | 206.6 | 208.6 | 210.4 | 212.3 | 214.2 | 215.9 |
| 52.5° | 187.4 | 189.2 | 191.1 | 193.0 | 194.9 | 196.9 | 199.0 | 201.2 | 203.3 | 205.5 | 207.2 |
| 55° | 172.9 | 174.7 | 176.5 | 178.3 | 180.1 | 182.3 | 184.8 | 187.4 | 190.0 | 192.6 | 194.3 |
| 57.5° | 156.8 | 159.0 | 161.2 | 163.5 | 165.7 | 168.0 | 170.6 | 173.2 | 175.7 | 178.3 | 180.3 |
| 60° | 146.3 | 148.5 | 150.7 | 153.0 | 155.2 | 157.7 | 160.5 | 163.4 | 166.2 | 169.0 | 171.0 |
| 62.5° | 136.1 | 138.5 | 141.0 | 143.4 | 145.8 | 148.5 | 151.2 | 154.1 | 156.9 | 159.8 | 161.8 |
| 65° | 119.6 | 122.4 | 125.1 | 127.8 | 130.6 | 133.5 | 136.3 | 139.3 | 142.2 | 145.1 | 147.2 |
| 67.5° | 103.8 | 106.7 | 109.7 | 112.6 | 115.4 | 118.5 | 121.6 | 124.7 | 127.8 | 130.9 | 133.1 |
| 70° | 93.0 | 95.9 | 98.8 | 101.7 | 104.7 | 107.8 | 111.0 | 114.3 | 117.6 | 120.8 | 123.1 |
| 72.5° | 82.5 | 85.5 | 88.5 | 91.5 | 94.4 | 97.7 | 101.1 | 104.6 | 108.0 | 111.5 | 113.7 |
| 75° | 66.4 | 69.5 | 72.7 | 75.9 | 79.1 | 82.4 | 86.1 | 89.7 | 93.3 | 96.9 | 99.3 |
| 77.5° | 51.4 | 54.7 | 58.0 | 61.4 | 64.7 | 68.3 | 72.1 | 75.9 | 79.7 | 83.4 | 85.9 |
| 80° | 42.1 | 45.5 | 48.9 | 52.3 | 55.8 | 59.4 | 63.2 | 66.9 | 70.7 | 74.5 | 77.0 |
| 82.5° | 32.8 | 36.4 | 39.9 | 43.5 | 47.0 | 50.7 | 54.5 | 58.3 | 62.0 | 65.9 | 68.5 |
| 85° | 20.5 | 24.1 | 27.6 | 31.2 | 34.9 | 38.6 | 42.5 | 46.3 | 50.1 | 54.1 | 56.6 |
| 87.5° | 12.1 | 16.2 | 20.4 | 24.5 | 28.5 | 32.7 | 36.9 | 41.1 | 45.2 | 49.5 | 52.3 |
| 90° | 9.9 | 16.3 | 22.7 | 29.2 | 35.6 | 41.7 | 47.6 | 53.5 | 59.4 | 65.2 | 69.4 |
| 92.5° | 32.2 | 38.7 | 45.2 | 51.8 | 58.3 | 64.2 | 69.4 | 74.6 | 79.8 | 85.0 | 88.5 |
| 95° | 78.8 | 84.1 | 89.4 | 94.7 | 100.0 | 105.3 | 110.7 | 116.2 | 121.6 | 127.0 | 130.1 |
| 97.5° | 133.4 | 137.8 | 142.2 | 146.6 | 151.0 | 156.0 | 161.8 | 167.5 | 173.3 | 179.0 | 182.1 |
| 100° | 176.3 | 179.7 | 183.0 | 186.3 | 189.6 | 194.2 | 200.0 | 205.8 | 211.7 | 217.4 | 220.3 |
| 102.5° | 221.6 | 224.0 | 226.4 | 228.8 | 231.1 | 235.1 | 240.6 | 246.1 | 251.7 | 257.1 | 260.2 |
| 105° | 289.9 | 291.9 | 293.9 | 295.9 | 297.8 | 301.0 | 305.2 | 309.5 | 313.8 | 318.0 | 321.0 |
| 107.5° | 362.4 | 364.1 | 365.8 | 367.5 | 369.3 | 371.8 | 374.9 | 378.1 | 381.2 | 384.4 | 387.3 |
| 110° | 411.2 | 412.9 | 414.7 | 416.5 | 418.2 | 420.4 | 423.2 | 425.9 | 428.6 | 431.4 | 432.8 |



TEST NUMBER: P332742-930

CATALOG NUMBER: S124DIW-S350D1560U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 462.0 | 463.3 | 464.4 | 465.6 | 466.8 | 468.6 | 470.9 | 473.3 | 475.6 | 478.0 | 479.8 |
| 115° | 538.3 | 539.1 | 539.9 | 540.6 | 541.4 | 542.9 | 545.1 | 547.3 | 549.5 | 551.6 | 553.3 |
| 117.5° | 610.5 | 611.2 | 611.9 | 612.5 | 613.3 | 614.7 | 616.9 | 619.0 | 621.2 | 623.4 | 624.2 |
| 120° | 658.4 | 659.7 | 661.1 | 662.4 | 663.8 | 665.3 | 667.0 | 668.6 | 670.3 | 672.0 | 672.3 |
| 122.5° | 708.6 | 709.1 | 709.6 | 710.0 | 710.5 | 711.8 | 713.7 | 715.7 | 717.6 | 719.6 | 720.4 |
| 125° | 782.2 | 782.1 | 782.0 | 782.0 | 781.8 | 782.7 | 784.6 | 786.4 | 788.3 | 790.2 | 791.3 |
| 127.5° | 849.2 | 849.9 | 850.7 | 851.4 | 852.2 | 853.1 | 854.4 | 855.6 | 856.7 | 857.9 | 859.0 |
| 130° | 896.1 | 896.8 | 897.6 | 898.3 | 899.0 | 900.1 | 901.5 | 902.9 | 904.2 | 905.6 | 906.6 |
| 132.5° | 944.3 | 944.9 | 945.3 | 945.8 | 946.4 | 947.1 | 947.9 | 948.8 | 949.7 | 950.6 | 951.5 |
| 135° | 1007.6 | 1009.3 | 1010.9 | 1012.5 | 1014.2 | 1015.3 | 1015.9 | 1016.5 | 1017.1 | 1017.7 | 1018.5 |
| 137.5° | 1076.9 | 1077.6 | 1078.3 | 1079.0 | 1079.6 | 1080.4 | 1081.1 | 1081.8 | 1082.6 | 1083.3 | 1083.8 |
| 140° | 1123.2 | 1123.6 | 1124.1 | 1124.5 | 1125.0 | 1125.3 | 1125.4 | 1125.4 | 1125.5 | 1125.6 | 1126.5 |
| 142.5° | 1165.1 | 1165.6 | 1166.2 | 1166.7 | 1167.3 | 1167.3 | 1167.1 | 1166.9 | 1166.6 | 1166.3 | 1167.3 |
| 145° | 1223.6 | 1224.6 | 1225.6 | 1226.6 | 1227.6 | 1228.2 | 1228.5 | 1228.8 | 1229.1 | 1229.3 | 1229.6 |
| 147.5° | 1281.6 | 1282.8 | 1284.0 | 1285.3 | 1286.5 | 1287.0 | 1286.8 | 1286.5 | 1286.4 | 1286.1 | 1286.0 |
| 150° | 1317.0 | 1318.0 | 1319.0 | 1320.1 | 1321.0 | 1321.5 | 1321.5 | 1321.5 | 1321.5 | 1321.5 | 1321.5 |
| 152.5° | 1350.1 | 1350.8 | 1351.4 | 1352.1 | 1352.7 | 1353.2 | 1353.3 | 1353.6 | 1353.8 | 1354.0 | 1354.6 |
| 155° | 1401.4 | 1401.4 | 1401.4 | 1401.4 | 1401.4 | 1401.3 | 1401.0 | 1400.8 | 1400.5 | 1400.2 | 1401.3 |
| 157.5° | 1444.7 | 1444.2 | 1443.7 | 1443.2 | 1442.8 | 1442.5 | 1442.4 | 1442.3 | 1442.3 | 1442.3 | 1443.1 |
| 160° | 1470.3 | 1470.0 | 1469.7 | 1469.5 | 1469.2 | 1468.9 | 1468.7 | 1468.4 | 1468.1 | 1467.9 | 1468.7 |
| 162.5° | 1493.9 | 1493.2 | 1492.5 | 1491.8 | 1491.0 | 1490.5 | 1490.3 | 1490.0 | 1489.7 | 1489.5 | 1490.9 |
| 165° | 1525.6 | 1524.8 | 1524.0 | 1523.1 | 1522.3 | 1521.7 | 1521.1 | 1520.5 | 1520.0 | 1519.5 | 1521.1 |
| 167.5° | 1550.0 | 1548.8 | 1547.7 | 1546.5 | 1545.4 | 1544.8 | 1544.9 | 1544.9 | 1545.0 | 1545.1 | 1546.7 |
| 170° | 1563.7 | 1562.4 | 1561.0 | 1559.6 | 1558.3 | 1557.7 | 1558.0 | 1558.3 | 1558.5 | 1558.8 | 1560.4 |
| 172.5° | 1573.5 | 1572.4 | 1571.2 | 1570.1 | 1569.0 | 1568.4 | 1568.5 | 1568.6 | 1568.6 | 1568.6 | 1570.5 |
| 175° | 1587.1 | 1585.7 | 1584.4 | 1583.0 | 1581.6 | 1580.8 | 1580.5 | 1580.2 | 1580.0 | 1579.7 | 1581.6 |
| 177.5° | 1591.5 | 1590.4 | 1589.3 | 1588.2 | 1587.1 | 1586.6 | 1586.6 | 1586.6 | 1586.6 | 1586.6 | 1588.1 |
| 180° | 1589.5 | 1589.5 | 1589.5 | 1589.5 | 1589.5 | 1589.5 | 1589.5 | 1589.5 | 1589.5 | 1589.5 | 1589.5 |



TEST NUMBER: P332742-930

CATALOG NUMBER: S124DIW-S350D1560U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 |
| 2.5° | 343.4 | 343.9 | 344.4 | 344.5 | 344.5 | 344.5 | 344.4 | 344.3 |
| 5° | 342.5 | 343.2 | 343.9 | 344.2 | 344.1 | 344.0 | 343.9 | 343.8 |
| 7.5° | 340.7 | 341.4 | 342.3 | 342.6 | 342.5 | 342.4 | 342.3 | 342.3 |
| 10° | 338.8 | 339.6 | 340.4 | 340.7 | 340.6 | 340.6 | 340.5 | 340.4 |
| 12.5° | 336.2 | 337.0 | 337.6 | 337.9 | 337.9 | 337.9 | 337.9 | 337.9 |
| 15° | 331.5 | 332.2 | 333.0 | 333.4 | 333.3 | 333.2 | 333.1 | 333.0 |
| 17.5° | 325.7 | 326.5 | 327.3 | 327.7 | 327.6 | 327.5 | 327.5 | 327.4 |
| 20° | 321.2 | 322.1 | 322.9 | 323.4 | 323.4 | 323.4 | 323.4 | 323.4 |
| 22.5° | 316.0 | 316.8 | 317.7 | 318.2 | 318.4 | 318.5 | 318.6 | 318.8 |
| 25° | 307.9 | 308.8 | 309.8 | 310.3 | 310.4 | 310.5 | 310.5 | 310.6 |
| 27.5° | 298.8 | 299.7 | 300.6 | 301.1 | 301.2 | 301.3 | 301.3 | 301.5 |
| 30° | 292.4 | 293.4 | 294.3 | 294.9 | 295.1 | 295.3 | 295.5 | 295.6 |
| 32.5° | 285.9 | 287.1 | 288.1 | 288.8 | 288.9 | 289.1 | 289.3 | 289.4 |
| 35° | 275.7 | 276.8 | 278.0 | 278.8 | 279.0 | 279.2 | 279.6 | 279.8 |
| 37.5° | 264.9 | 266.0 | 267.3 | 268.1 | 268.3 | 268.6 | 268.9 | 269.1 |
| 40° | 257.3 | 258.5 | 259.8 | 260.7 | 261.0 | 261.4 | 261.7 | 262.0 |
| 42.5° | 249.8 | 251.3 | 252.7 | 253.6 | 253.8 | 254.0 | 254.4 | 254.6 |
| 45° | 238.3 | 239.8 | 241.2 | 242.1 | 242.6 | 243.0 | 243.4 | 243.9 |
| 47.5° | 226.2 | 227.6 | 229.2 | 230.2 | 230.7 | 231.2 | 231.7 | 232.3 |
| 50° | 217.6 | 219.3 | 221.0 | 222.2 | 222.7 | 223.1 | 223.7 | 224.2 |
| 52.5° | 209.0 | 210.7 | 212.4 | 213.5 | 214.0 | 214.5 | 215.1 | 215.6 |
| 55° | 196.0 | 197.7 | 199.4 | 200.6 | 201.1 | 201.5 | 202.1 | 202.6 |
| 57.5° | 182.4 | 184.4 | 186.5 | 187.7 | 188.2 | 188.7 | 189.1 | 189.6 |
| 60° | 173.0 | 175.0 | 176.9 | 178.2 | 179.0 | 179.6 | 180.3 | 181.0 |
| 62.5° | 163.7 | 165.7 | 167.6 | 169.0 | 169.7 | 170.3 | 171.0 | 171.7 |
| 65° | 149.4 | 151.6 | 153.7 | 155.1 | 155.8 | 156.5 | 157.2 | 157.8 |
| 67.5° | 135.3 | 137.5 | 139.7 | 141.1 | 141.8 | 142.4 | 143.1 | 143.8 |
| 70° | 125.4 | 127.8 | 130.0 | 131.5 | 132.1 | 132.7 | 133.3 | 133.9 |
| 72.5° | 116.0 | 118.3 | 120.5 | 122.0 | 122.6 | 123.3 | 124.0 | 124.7 |
| 75° | 101.7 | 104.0 | 106.5 | 108.0 | 108.8 | 109.6 | 110.4 | 111.1 |
| 77.5° | 88.3 | 90.7 | 93.2 | 94.8 | 95.6 | 96.4 | 97.3 | 98.1 |
| 80° | 79.7 | 82.2 | 84.8 | 86.4 | 87.1 | 87.8 | 88.5 | 89.1 |
| 82.5° | 71.1 | 73.8 | 76.4 | 78.1 | 78.8 | 79.6 | 80.4 | 81.1 |
| 85° | 59.2 | 61.7 | 64.3 | 66.0 | 66.9 | 67.8 | 68.6 | 69.5 |
| 87.5° | 55.1 | 57.9 | 60.7 | 62.6 | 63.4 | 64.3 | 65.1 | 66.0 |
| 90° | 73.5 | 77.6 | 81.8 | 84.5 | 85.7 | 86.9 | 88.1 | 89.4 |
| 92.5° | 91.8 | 95.2 | 98.7 | 100.9 | 101.8 | 102.9 | 103.9 | 104.9 |
| 95° | 133.3 | 136.4 | 139.6 | 141.5 | 142.3 | 143.0 | 143.8 | 144.6 |
| 97.5° | 185.4 | 188.7 | 191.8 | 193.9 | 194.6 | 195.3 | 196.1 | 196.8 |
| 100° | 223.1 | 226.0 | 228.9 | 230.6 | 231.2 | 231.8 | 232.4 | 233.0 |
| 102.5° | 263.2 | 266.2 | 269.2 | 271.2 | 272.1 | 273.0 | 273.9 | 274.8 |
| 105° | 324.0 | 326.9 | 329.9 | 332.2 | 333.6 | 335.2 | 336.6 | 338.2 |
| 107.5° | 390.1 | 393.1 | 395.9 | 397.6 | 398.2 | 398.8 | 399.3 | 399.9 |
| 110° | 434.2 | 435.6 | 437.1 | 438.5 | 440.0 | 441.6 | 443.0 | 444.6 |



TEST NUMBER: P332742-930

CATALOG NUMBER: S124DIW-S350D1560U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 481.6 | 483.4 | 485.2 | 486.5 | 487.4 | 488.2 | 489.1 | 489.9 |
| 115° | 554.9 | 556.5 | 558.2 | 559.1 | 559.5 | 559.8 | 560.1 | 560.4 |
| 117.5° | 625.1 | 625.9 | 626.8 | 627.3 | 627.5 | 627.5 | 627.7 | 627.9 |
| 120° | 672.7 | 673.0 | 673.4 | 674.2 | 675.4 | 676.6 | 677.8 | 679.1 |
| 122.5° | 721.2 | 721.9 | 722.8 | 722.9 | 722.6 | 722.2 | 721.9 | 721.5 |
| 125° | 792.4 | 793.4 | 794.5 | 795.1 | 795.0 | 795.0 | 795.0 | 794.9 |
| 127.5° | 860.0 | 861.0 | 861.9 | 862.5 | 862.7 | 862.8 | 863.0 | 863.1 |
| 130° | 907.6 | 908.6 | 909.5 | 909.8 | 909.2 | 908.7 | 908.1 | 907.5 |
| 132.5° | 952.4 | 953.3 | 954.3 | 954.8 | 954.9 | 955.0 | 955.0 | 955.1 |
| 135° | 1019.4 | 1020.2 | 1021.0 | 1021.2 | 1020.9 | 1020.6 | 1020.3 | 1020.0 |
| 137.5° | 1084.3 | 1084.9 | 1085.4 | 1086.0 | 1086.6 | 1087.2 | 1087.8 | 1088.3 |
| 140° | 1127.3 | 1128.1 | 1128.9 | 1129.5 | 1129.7 | 1129.8 | 1129.9 | 1130.1 |
| 142.5° | 1168.2 | 1169.1 | 1170.0 | 1170.6 | 1170.9 | 1171.3 | 1171.5 | 1171.8 |
| 145° | 1229.8 | 1230.0 | 1230.3 | 1230.2 | 1229.7 | 1229.2 | 1228.7 | 1228.2 |
| 147.5° | 1285.8 | 1285.6 | 1285.6 | 1285.5 | 1285.5 | 1285.5 | 1285.5 | 1285.5 |
| 150° | 1321.5 | 1321.5 | 1321.5 | 1321.4 | 1321.1 | 1320.9 | 1320.6 | 1320.3 |
| 152.5° | 1355.3 | 1355.9 | 1356.6 | 1356.6 | 1355.8 | 1355.2 | 1354.5 | 1353.7 |
| 155° | 1402.4 | 1403.5 | 1404.6 | 1404.6 | 1403.5 | 1402.4 | 1401.3 | 1400.2 |
| 157.5° | 1443.9 | 1444.7 | 1445.5 | 1445.4 | 1444.5 | 1443.7 | 1442.7 | 1441.8 |
| 160° | 1469.5 | 1470.3 | 1471.1 | 1470.8 | 1469.5 | 1468.1 | 1466.7 | 1465.3 |
| 162.5° | 1492.4 | 1493.9 | 1495.3 | 1495.4 | 1494.0 | 1492.7 | 1491.3 | 1490.0 |
| 165° | 1522.7 | 1524.4 | 1526.0 | 1526.3 | 1525.2 | 1524.1 | 1523.0 | 1521.9 |
| 167.5° | 1548.3 | 1550.0 | 1551.6 | 1551.6 | 1549.9 | 1548.2 | 1546.5 | 1544.7 |
| 170° | 1562.1 | 1563.7 | 1565.4 | 1565.2 | 1563.3 | 1561.4 | 1559.5 | 1557.5 |
| 172.5° | 1572.4 | 1574.2 | 1576.1 | 1576.1 | 1574.1 | 1572.2 | 1570.3 | 1568.4 |
| 175° | 1583.6 | 1585.4 | 1587.4 | 1587.4 | 1585.4 | 1583.6 | 1581.6 | 1579.7 |
| 177.5° | 1589.7 | 1591.1 | 1592.7 | 1592.6 | 1590.8 | 1589.1 | 1587.4 | 1585.6 |
| 180° | 1589.5 | 1589.5 | 1589.5 | 1589.5 | 1589.5 | 1589.5 | 1589.5 | 1589.5 |

(END OF REPORT)