

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: P332729-830

Luminaire Tested: **S124DIW-S350D1050U830-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332729-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S350D1050U830-4F0-1E-UDD-D
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5311.3 lumens
Efficiency: N/A
Efficacy: 139.8 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

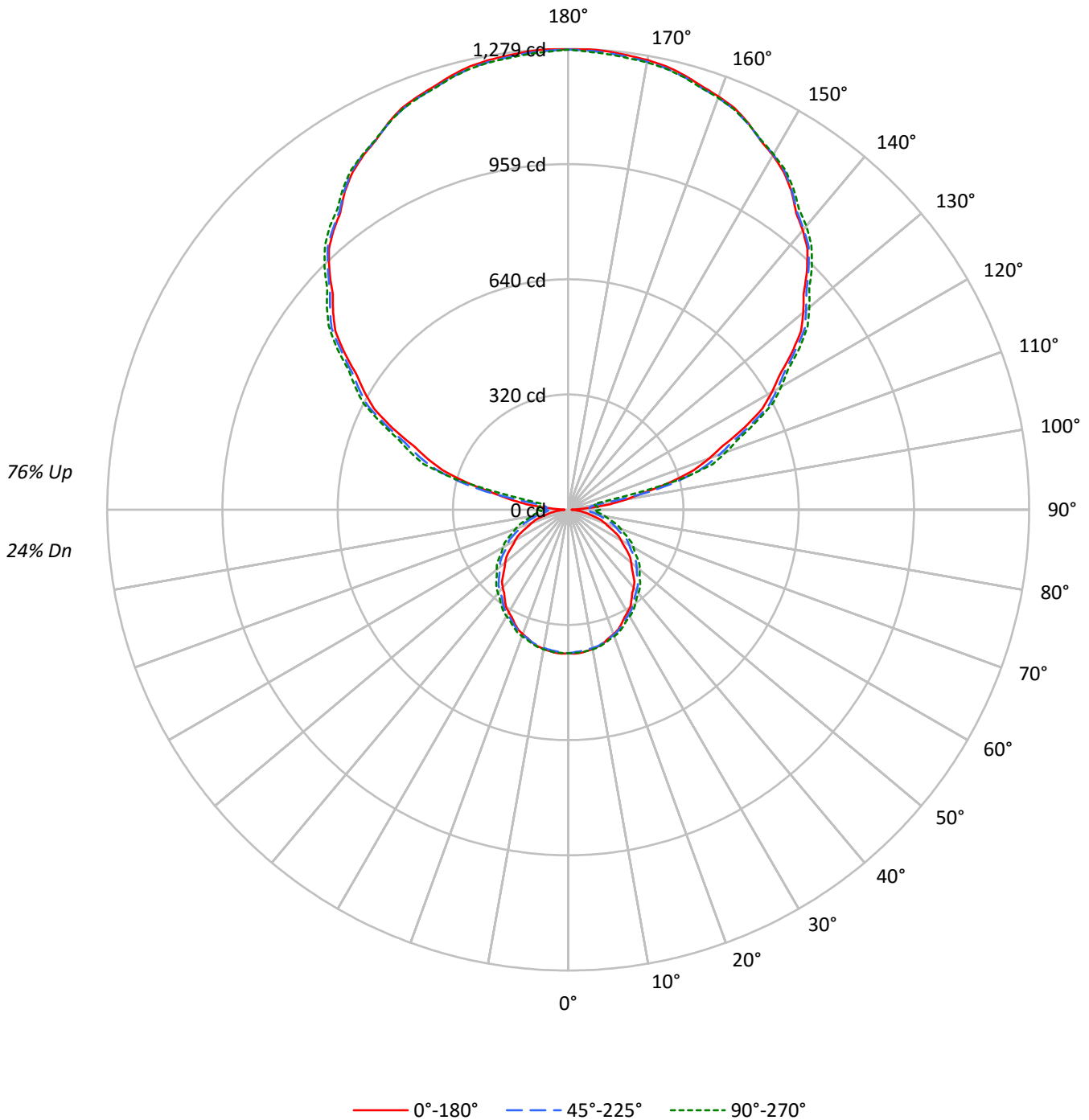
Input Watts (W): 38
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332729-830

CATALOG NUMBER: S124DIW-S350D1050U830-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P332729-830

CATALOG NUMBER: S124DIW-S350D1050U830-4F0-1E-UDD-D

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 | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 69 | 69 | 69 | 50 | 50 | 50 | 32 | 32 | 32 |
| 1 | 91 | 87 | 83 | 80 | 81 | 77 | 74 | 71 | 59 | 57 | 55 | 43 | 41 | 40 | 27 | 27 | 26 |
| 2 | 83 | 76 | 70 | 64 | 73 | 67 | 62 | 58 | 52 | 48 | 45 | 37 | 35 | 33 | 24 | 23 | 21 |
| 3 | 76 | 66 | 59 | 53 | 67 | 59 | 53 | 48 | 45 | 41 | 38 | 33 | 30 | 28 | 21 | 19 | 18 |
| 4 | 69 | 58 | 51 | 45 | 61 | 52 | 45 | 40 | 40 | 35 | 32 | 29 | 26 | 23 | 19 | 17 | 15 |
| 5 | 63 | 52 | 44 | 38 | 56 | 46 | 39 | 34 | 36 | 31 | 27 | 26 | 23 | 20 | 17 | 15 | 13 |
| 6 | 58 | 46 | 38 | 33 | 51 | 41 | 34 | 30 | 32 | 27 | 23 | 23 | 20 | 17 | 15 | 13 | 12 |
| 7 | 53 | 41 | 34 | 28 | 47 | 37 | 30 | 26 | 29 | 24 | 20 | 21 | 18 | 15 | 14 | 12 | 10 |
| 8 | 49 | 37 | 30 | 25 | 44 | 34 | 27 | 23 | 26 | 21 | 18 | 19 | 16 | 13 | 12 | 10 | 9 |
| 9 | 46 | 34 | 27 | 22 | 41 | 30 | 24 | 20 | 24 | 19 | 16 | 17 | 14 | 12 | 11 | 10 | 8 |
| 10 | 43 | 31 | 24 | 19 | 38 | 28 | 22 | 18 | 22 | 17 | 14 | 16 | 13 | 11 | 11 | 9 | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3216 | 3216 | 3216 |
| 5° | 3227 | 3143 | 3152 |
| 10° | 3207 | 3092 | 3090 |
| 15° | 3177 | 3032 | 3016 |
| 20° | 3134 | 2967 | 2944 |
| 25° | 3086 | 2893 | 2865 |
| 30° | 3032 | 2819 | 2784 |
| 35° | 2972 | 2744 | 2713 |
| 40° | 2925 | 2674 | 2639 |
| 45° | 2853 | 2607 | 2575 |
| 50° | 2794 | 2532 | 2508 |
| 55° | 2732 | 2460 | 2429 |
| 60° | 2635 | 2369 | 2357 |
| 65° | 2529 | 2272 | 2269 |
| 70° | 2400 | 2161 | 2166 |
| 75° | 2220 | 2037 | 2074 |
| 80° | 2021 | 1919 | 1981 |
| 85° | 1773 | 1815 | 1928 |



TEST NUMBER: P332729-830

CATALOG NUMBER: S124DIW-S350D1050U830-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 37.7 | 0.7 |
| 10°-20° | 108.1 | 2.0 |
| 20°-30° | 163.4 | 3.1 |
| 30°-40° | 197.8 | 3.7 |
| 40°-50° | 209.1 | 3.9 |
| 50°-60° | 196.8 | 3.7 |
| 60°-70° | 163.2 | 3.1 |
| 70°-80° | 114.7 | 2.2 |
| 80°-90° | 68.5 | 1.3 |
| 90°-100° | 82.2 | 1.5 |
| 100°-110° | 306.9 | 5.8 |
| 110°-120° | 551.7 | 10.4 |
| 120°-130° | 686.9 | 12.9 |
| 130°-140° | 728.1 | 13.7 |
| 140°-150° | 677.4 | 12.8 |
| 150°-160° | 545.5 | 10.3 |
| 160°-170° | 351.9 | 6.6 |
| 170°-180° | 121.3 | 2.3 |
| 0°-30° | 309.3 | 5.8 |
| 0°-40° | 507.0 | 9.5 |
| 0°-60° | 912.9 | 17.2 |
| 0°-90° | 1259.3 | 23.7 |
| 90°-120° | 940.8 | 17.7 |
| 90°-150° | 3033.3 | 57.1 |
| 90°-180° | 4052.0 | 76.3 |
| 0°-180° | 5311.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 398 | 398 | 398 | 398 | 398 | |
| 5° | 399 | 397 | 394 | 398 | 398 | 38 |
| 15° | 382 | 383 | 381 | 385 | 385 | 108 |
| 25° | 350 | 352 | 354 | 358 | 359 | 161 |
| 35° | 306 | 311 | 316 | 322 | 324 | 192 |
| 45° | 255 | 264 | 272 | 279 | 282 | 197 |
| 55° | 200 | 210 | 223 | 231 | 234 | 178 |
| 65° | 138 | 153 | 168 | 178 | 182 | 137 |
| 75° | 77 | 93 | 112 | 124 | 128 | 82 |
| 85° | 24 | 42 | 62 | 75 | 80 | 25 |
| 90° | 10 | 38 | 65 | 83 | 89 | 7 |
| 95° | 58 | 43 | 60 | 77 | 83 | 72 |
| 105° | 291 | 306 | 327 | 344 | 316 | 305 |
| 115° | 539 | 547 | 560 | 571 | 574 | 531 |
| 125° | 756 | 760 | 769 | 780 | 784 | 675 |
| 135° | 937 | 936 | 943 | 952 | 956 | 722 |
| 145° | 1080 | 1082 | 1082 | 1086 | 1089 | 674 |
| 155° | 1183 | 1184 | 1181 | 1185 | 1182 | 545 |
| 165° | 1248 | 1244 | 1243 | 1250 | 1242 | 353 |
| 175° | 1277 | 1271 | 1272 | 1280 | 1269 | 122 |
| 180° | 1277 | 1277 | 1277 | 1277 | 1277 | |



TEST NUMBER: P332729-830

CATALOG NUMBER: S124DIW-S350D1050U830-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 |
| 2.5° | 399.8 | 399.5 | 399.4 | 399.1 | 398.9 | 398.4 | 397.8 | 397.2 | 396.5 | 395.9 | 396.4 |
| 5° | 398.9 | 398.5 | 398.2 | 397.9 | 397.7 | 397.2 | 396.4 | 395.8 | 395.1 | 394.4 | 395.2 |
| 7.5° | 395.5 | 395.3 | 395.1 | 394.9 | 394.7 | 394.4 | 393.8 | 393.2 | 392.7 | 392.1 | 392.9 |
| 10° | 392.6 | 392.5 | 392.4 | 392.3 | 392.2 | 391.9 | 391.4 | 390.9 | 390.4 | 389.9 | 390.8 |
| 12.5° | 388.7 | 388.6 | 388.6 | 388.6 | 388.6 | 388.4 | 388.0 | 387.8 | 387.4 | 387.1 | 387.9 |
| 15° | 382.3 | 382.5 | 382.6 | 382.7 | 382.8 | 382.7 | 382.3 | 382.0 | 381.7 | 381.4 | 382.3 |
| 17.5° | 373.7 | 374.0 | 374.3 | 374.6 | 374.8 | 375.0 | 374.9 | 374.8 | 374.8 | 374.8 | 375.7 |
| 20° | 367.6 | 367.9 | 368.3 | 368.5 | 368.8 | 369.0 | 369.1 | 369.2 | 369.3 | 369.4 | 370.4 |
| 22.5° | 360.8 | 361.2 | 361.6 | 361.9 | 362.3 | 362.6 | 362.8 | 363.0 | 363.2 | 363.4 | 364.3 |
| 25° | 349.8 | 350.3 | 351.0 | 351.6 | 352.1 | 352.6 | 352.9 | 353.2 | 353.5 | 353.8 | 354.9 |
| 27.5° | 337.4 | 338.4 | 339.2 | 340.1 | 340.9 | 341.6 | 342.0 | 342.5 | 343.0 | 343.5 | 344.4 |
| 30° | 329.2 | 330.1 | 330.8 | 331.6 | 332.4 | 333.2 | 333.8 | 334.5 | 335.3 | 335.9 | 337.1 |
| 32.5° | 320.4 | 321.3 | 322.3 | 323.2 | 324.1 | 325.0 | 325.7 | 326.5 | 327.3 | 328.1 | 329.3 |
| 35° | 306.0 | 307.3 | 308.4 | 309.6 | 310.9 | 311.9 | 312.9 | 313.9 | 314.9 | 315.8 | 317.3 |
| 37.5° | 291.7 | 293.0 | 294.5 | 295.8 | 297.2 | 298.4 | 299.7 | 301.0 | 302.2 | 303.4 | 304.8 |
| 40° | 282.4 | 283.7 | 285.0 | 286.3 | 287.6 | 288.9 | 290.3 | 291.7 | 293.0 | 294.5 | 296.0 |
| 42.5° | 271.7 | 273.1 | 274.6 | 276.1 | 277.5 | 279.0 | 280.7 | 282.3 | 283.9 | 285.5 | 287.2 |
| 45° | 255.1 | 257.0 | 258.9 | 260.8 | 262.7 | 264.6 | 266.5 | 268.3 | 270.2 | 272.1 | 273.8 |
| 47.5° | 239.4 | 241.4 | 243.3 | 245.2 | 247.1 | 249.2 | 251.4 | 253.6 | 255.8 | 258.0 | 259.7 |
| 50° | 228.0 | 230.2 | 232.3 | 234.5 | 236.7 | 238.8 | 241.1 | 243.3 | 245.4 | 247.6 | 249.6 |
| 52.5° | 216.6 | 218.8 | 220.9 | 223.1 | 225.3 | 227.6 | 230.1 | 232.6 | 235.1 | 237.6 | 239.6 |
| 55° | 199.9 | 202.0 | 204.1 | 206.1 | 208.2 | 210.8 | 213.7 | 216.7 | 219.6 | 222.6 | 224.6 |
| 57.5° | 181.3 | 183.8 | 186.3 | 189.0 | 191.5 | 194.3 | 197.3 | 200.2 | 203.1 | 206.1 | 208.5 |
| 60° | 169.1 | 171.6 | 174.3 | 176.8 | 179.4 | 182.3 | 185.6 | 188.9 | 192.1 | 195.4 | 197.7 |
| 62.5° | 157.3 | 160.1 | 163.0 | 165.8 | 168.5 | 171.6 | 174.8 | 178.1 | 181.4 | 184.7 | 187.0 |
| 65° | 138.3 | 141.5 | 144.7 | 147.8 | 151.0 | 154.3 | 157.6 | 161.0 | 164.4 | 167.8 | 170.2 |
| 67.5° | 120.0 | 123.4 | 126.8 | 130.2 | 133.5 | 137.0 | 140.6 | 144.2 | 147.8 | 151.4 | 153.9 |
| 70° | 107.5 | 110.8 | 114.2 | 117.6 | 121.0 | 124.6 | 128.4 | 132.1 | 135.9 | 139.7 | 142.3 |
| 72.5° | 95.4 | 98.9 | 102.3 | 105.8 | 109.1 | 112.9 | 116.9 | 120.9 | 124.9 | 128.9 | 131.5 |
| 75° | 76.7 | 80.4 | 84.1 | 87.8 | 91.4 | 95.3 | 99.5 | 103.7 | 107.8 | 112.0 | 114.8 |
| 77.5° | 59.4 | 63.2 | 67.1 | 71.0 | 74.8 | 79.0 | 83.3 | 87.8 | 92.1 | 96.4 | 99.2 |
| 80° | 48.6 | 52.6 | 56.6 | 60.5 | 64.5 | 68.6 | 73.0 | 77.4 | 81.7 | 86.1 | 89.1 |
| 82.5° | 37.9 | 42.0 | 46.2 | 50.3 | 54.4 | 58.6 | 63.1 | 67.4 | 71.7 | 76.2 | 79.2 |
| 85° | 23.7 | 27.8 | 32.0 | 36.1 | 40.3 | 44.6 | 49.1 | 53.5 | 58.0 | 62.5 | 65.4 |
| 87.5° | 13.8 | 18.3 | 22.8 | 27.3 | 31.9 | 36.4 | 41.1 | 45.8 | 50.4 | 55.1 | 58.2 |
| 90° | 10.0 | 16.3 | 22.6 | 28.9 | 35.2 | 41.4 | 47.3 | 53.3 | 59.2 | 65.1 | 69.4 |
| 92.5° | 18.9 | 22.5 | 26.2 | 29.9 | 33.6 | 38.5 | 44.4 | 50.3 | 56.3 | 62.3 | 66.4 |
| 95° | 58.3 | 54.4 | 50.4 | 46.5 | 42.5 | 42.7 | 47.0 | 51.3 | 55.5 | 59.9 | 63.8 |
| 97.5° | 116.8 | 124.1 | 131.4 | 138.7 | 146.1 | 139.9 | 120.3 | 100.6 | 80.9 | 61.3 | 64.0 |
| 100° | 161.6 | 168.0 | 174.3 | 180.7 | 187.1 | 177.6 | 152.2 | 126.8 | 101.3 | 76.0 | 75.0 |
| 102.5° | 212.0 | 217.0 | 222.1 | 227.2 | 232.1 | 234.7 | 234.7 | 234.6 | 234.6 | 234.6 | 198.2 |
| 105° | 291.4 | 294.7 | 297.9 | 301.2 | 304.4 | 308.5 | 313.2 | 317.9 | 322.6 | 327.4 | 331.8 |
| 107.5° | 366.1 | 368.3 | 370.6 | 372.9 | 375.1 | 378.7 | 383.6 | 388.5 | 393.4 | 398.3 | 401.7 |
| 110° | 416.1 | 418.1 | 420.2 | 422.2 | 424.2 | 427.6 | 432.3 | 437.1 | 441.9 | 446.6 | 449.3 |



TEST NUMBER: P332729-830

CATALOG NUMBER: S124DIW-S350D1050U830-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 464.7 | 467.0 | 469.4 | 471.7 | 474.2 | 477.3 | 481.2 | 485.1 | 489.0 | 492.9 | 495.0 |
| 115° | 539.3 | 540.9 | 542.4 | 543.9 | 545.4 | 547.7 | 550.7 | 553.6 | 556.6 | 559.6 | 562.1 |
| 117.5° | 607.1 | 608.5 | 609.8 | 611.2 | 612.7 | 615.0 | 618.4 | 621.9 | 625.3 | 628.7 | 630.7 |
| 120° | 652.5 | 653.7 | 654.9 | 656.0 | 657.1 | 659.0 | 661.8 | 664.4 | 667.0 | 669.7 | 672.1 |
| 122.5° | 695.3 | 695.9 | 696.4 | 697.0 | 697.6 | 699.4 | 702.4 | 705.4 | 708.4 | 711.4 | 713.7 |
| 125° | 756.2 | 757.0 | 757.7 | 758.5 | 759.2 | 760.6 | 762.7 | 764.7 | 766.8 | 768.8 | 771.4 |
| 127.5° | 814.2 | 814.3 | 814.4 | 814.5 | 814.6 | 816.1 | 819.0 | 821.9 | 824.7 | 827.6 | 829.3 |
| 130° | 851.2 | 851.4 | 851.5 | 851.6 | 851.7 | 852.9 | 855.1 | 857.3 | 859.5 | 861.8 | 863.7 |
| 132.5° | 885.6 | 885.9 | 886.2 | 886.5 | 886.7 | 888.0 | 890.0 | 892.1 | 894.2 | 896.3 | 898.1 |
| 135° | 936.8 | 936.5 | 936.3 | 936.1 | 935.9 | 936.6 | 938.1 | 939.6 | 941.2 | 942.7 | 944.7 |
| 137.5° | 982.4 | 982.4 | 982.4 | 982.3 | 982.3 | 983.0 | 984.2 | 985.5 | 986.7 | 988.1 | 990.0 |
| 140° | 1012.2 | 1012.5 | 1012.9 | 1013.1 | 1013.5 | 1013.9 | 1014.5 | 1014.9 | 1015.5 | 1016.1 | 1017.9 |
| 142.5° | 1038.6 | 1039.3 | 1040.1 | 1040.8 | 1041.5 | 1042.0 | 1042.3 | 1042.5 | 1042.6 | 1042.8 | 1044.4 |
| 145° | 1079.6 | 1080.1 | 1080.6 | 1081.2 | 1081.7 | 1081.9 | 1081.9 | 1081.9 | 1081.9 | 1081.9 | 1082.8 |
| 147.5° | 1112.2 | 1113.3 | 1114.4 | 1115.5 | 1116.5 | 1117.0 | 1116.8 | 1116.6 | 1116.3 | 1116.2 | 1116.4 |
| 150° | 1135.9 | 1136.6 | 1137.4 | 1138.1 | 1138.9 | 1139.2 | 1139.0 | 1138.8 | 1138.5 | 1138.3 | 1138.3 |
| 152.5° | 1155.4 | 1156.0 | 1156.7 | 1157.3 | 1158.0 | 1158.2 | 1157.8 | 1157.4 | 1157.1 | 1156.7 | 1157.0 |
| 155° | 1183.2 | 1183.5 | 1183.6 | 1183.8 | 1184.0 | 1183.8 | 1183.2 | 1182.6 | 1181.9 | 1181.3 | 1182.1 |
| 157.5° | 1206.7 | 1206.5 | 1206.5 | 1206.3 | 1206.2 | 1205.8 | 1205.0 | 1204.3 | 1203.6 | 1202.9 | 1204.0 |
| 160° | 1220.4 | 1219.8 | 1219.2 | 1218.5 | 1217.9 | 1217.5 | 1217.3 | 1217.0 | 1216.8 | 1216.6 | 1217.9 |
| 162.5° | 1232.7 | 1231.9 | 1231.1 | 1230.2 | 1229.5 | 1228.9 | 1228.7 | 1228.5 | 1228.3 | 1228.0 | 1229.4 |
| 165° | 1248.1 | 1247.1 | 1246.0 | 1244.9 | 1243.9 | 1243.4 | 1243.4 | 1243.4 | 1243.4 | 1243.4 | 1245.1 |
| 167.5° | 1260.4 | 1259.2 | 1258.2 | 1257.1 | 1255.9 | 1255.4 | 1255.2 | 1255.1 | 1255.0 | 1254.8 | 1256.7 |
| 170° | 1267.2 | 1265.9 | 1264.7 | 1263.4 | 1262.2 | 1261.6 | 1261.8 | 1262.1 | 1262.3 | 1262.4 | 1264.1 |
| 172.5° | 1271.8 | 1270.5 | 1269.2 | 1268.0 | 1266.7 | 1266.2 | 1266.4 | 1266.6 | 1266.9 | 1267.1 | 1268.8 |
| 175° | 1276.8 | 1275.5 | 1274.2 | 1273.0 | 1271.7 | 1271.2 | 1271.4 | 1271.6 | 1271.8 | 1272.1 | 1273.9 |
| 177.5° | 1279.0 | 1277.9 | 1276.7 | 1275.5 | 1274.3 | 1273.9 | 1274.2 | 1274.6 | 1274.9 | 1275.3 | 1276.6 |
| 180° | 1276.8 | 1276.8 | 1276.8 | 1276.8 | 1276.8 | 1276.8 | 1276.8 | 1276.8 | 1276.8 | 1276.8 | 1276.8 |



TEST NUMBER: P332729-830

CATALOG NUMBER: S124DIW-S350D1050U830-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 | 398.4 |
| 2.5° | 397.0 | 397.6 | 398.1 | 398.3 | 398.3 | 398.2 | 398.1 | 398.0 |
| 5° | 396.0 | 396.7 | 397.6 | 397.9 | 397.8 | 397.7 | 397.6 | 397.5 |
| 7.5° | 393.9 | 394.7 | 395.7 | 396.1 | 396.0 | 395.9 | 395.8 | 395.7 |
| 10° | 391.7 | 392.6 | 393.5 | 393.9 | 393.8 | 393.7 | 393.6 | 393.5 |
| 12.5° | 388.7 | 389.6 | 390.3 | 390.7 | 390.7 | 390.7 | 390.7 | 390.6 |
| 15° | 383.2 | 384.1 | 385.0 | 385.4 | 385.3 | 385.2 | 385.1 | 385.0 |
| 17.5° | 376.5 | 377.5 | 378.4 | 378.8 | 378.7 | 378.6 | 378.6 | 378.5 |
| 20° | 371.4 | 372.4 | 373.3 | 373.9 | 373.9 | 373.9 | 373.9 | 373.9 |
| 22.5° | 365.3 | 366.3 | 367.3 | 367.9 | 368.1 | 368.2 | 368.3 | 368.5 |
| 25° | 356.0 | 357.0 | 358.2 | 358.7 | 358.8 | 358.9 | 359.0 | 359.1 |
| 27.5° | 345.4 | 346.5 | 347.5 | 348.1 | 348.2 | 348.3 | 348.4 | 348.6 |
| 30° | 338.1 | 339.2 | 340.3 | 340.9 | 341.1 | 341.4 | 341.6 | 341.8 |
| 32.5° | 330.5 | 331.9 | 333.1 | 333.8 | 334.0 | 334.2 | 334.4 | 334.6 |
| 35° | 318.7 | 320.0 | 321.4 | 322.3 | 322.5 | 322.8 | 323.2 | 323.5 |
| 37.5° | 306.2 | 307.6 | 309.0 | 309.9 | 310.2 | 310.5 | 310.9 | 311.1 |
| 40° | 297.5 | 298.9 | 300.4 | 301.3 | 301.7 | 302.2 | 302.6 | 302.9 |
| 42.5° | 288.8 | 290.5 | 292.1 | 293.1 | 293.4 | 293.7 | 294.1 | 294.4 |
| 45° | 275.5 | 277.2 | 278.9 | 279.9 | 280.5 | 281.0 | 281.4 | 281.9 |
| 47.5° | 261.5 | 263.2 | 264.9 | 266.1 | 266.7 | 267.3 | 267.9 | 268.5 |
| 50° | 251.6 | 253.5 | 255.5 | 256.8 | 257.4 | 258.0 | 258.6 | 259.2 |
| 52.5° | 241.6 | 243.6 | 245.5 | 246.9 | 247.4 | 248.0 | 248.6 | 249.2 |
| 55° | 226.6 | 228.6 | 230.5 | 231.9 | 232.4 | 233.0 | 233.7 | 234.2 |
| 57.5° | 210.8 | 213.2 | 215.6 | 217.0 | 217.5 | 218.1 | 218.7 | 219.2 |
| 60° | 200.0 | 202.3 | 204.5 | 206.0 | 206.9 | 207.6 | 208.5 | 209.2 |
| 62.5° | 189.3 | 191.5 | 193.8 | 195.4 | 196.1 | 196.9 | 197.7 | 198.5 |
| 65° | 172.7 | 175.2 | 177.7 | 179.3 | 180.1 | 180.9 | 181.7 | 182.5 |
| 67.5° | 156.5 | 159.0 | 161.5 | 163.2 | 163.9 | 164.7 | 165.4 | 166.3 |
| 70° | 145.0 | 147.7 | 150.3 | 152.0 | 152.7 | 153.4 | 154.1 | 154.8 |
| 72.5° | 134.1 | 136.8 | 139.3 | 141.0 | 141.8 | 142.5 | 143.4 | 144.1 |
| 75° | 117.5 | 120.3 | 123.1 | 124.9 | 125.8 | 126.7 | 127.6 | 128.5 |
| 77.5° | 102.1 | 104.9 | 107.7 | 109.6 | 110.6 | 111.5 | 112.4 | 113.4 |
| 80° | 92.1 | 95.0 | 98.0 | 99.9 | 100.7 | 101.5 | 102.3 | 103.0 |
| 82.5° | 82.2 | 85.3 | 88.3 | 90.3 | 91.1 | 92.0 | 92.9 | 93.8 |
| 85° | 68.4 | 71.4 | 74.4 | 76.3 | 77.3 | 78.3 | 79.3 | 80.3 |
| 87.5° | 61.5 | 64.6 | 67.7 | 69.7 | 70.7 | 71.6 | 72.6 | 73.5 |
| 90° | 73.5 | 77.7 | 81.8 | 84.5 | 85.7 | 86.9 | 88.1 | 89.4 |
| 92.5° | 70.4 | 74.5 | 78.5 | 81.1 | 81.9 | 82.8 | 83.7 | 84.5 |
| 95° | 67.8 | 71.6 | 75.6 | 78.1 | 79.3 | 80.4 | 81.4 | 82.6 |
| 97.5° | 66.7 | 69.5 | 72.2 | 74.1 | 75.1 | 76.2 | 77.3 | 78.3 |
| 100° | 74.1 | 73.1 | 72.2 | 72.2 | 73.1 | 74.0 | 74.9 | 75.8 |
| 102.5° | 161.9 | 125.6 | 89.3 | 71.5 | 72.4 | 73.1 | 74.0 | 74.8 |
| 105° | 336.2 | 340.5 | 345.0 | 343.7 | 336.9 | 330.0 | 323.2 | 316.3 |
| 107.5° | 405.1 | 408.5 | 411.8 | 414.2 | 415.8 | 417.4 | 418.9 | 420.4 |
| 110° | 451.9 | 454.7 | 457.4 | 459.5 | 460.9 | 462.3 | 463.7 | 465.1 |



TEST NUMBER: P332729-830

CATALOG NUMBER: S124DIW-S350D1050U830-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 497.2 | 499.3 | 501.3 | 503.2 | 504.8 | 506.4 | 508.0 | 509.6 |
| 115° | 564.8 | 567.4 | 570.0 | 571.7 | 572.3 | 573.1 | 573.7 | 574.4 |
| 117.5° | 632.6 | 634.6 | 636.6 | 637.9 | 638.7 | 639.3 | 640.1 | 640.8 |
| 120° | 674.5 | 676.9 | 679.3 | 680.7 | 681.1 | 681.5 | 681.8 | 682.2 |
| 122.5° | 716.0 | 718.2 | 720.4 | 721.7 | 722.0 | 722.3 | 722.6 | 722.8 |
| 125° | 773.8 | 776.4 | 778.9 | 780.6 | 781.4 | 782.2 | 783.0 | 783.8 |
| 127.5° | 830.9 | 832.6 | 834.2 | 835.4 | 835.8 | 836.3 | 836.9 | 837.4 |
| 130° | 865.7 | 867.8 | 869.8 | 871.0 | 871.7 | 872.2 | 872.8 | 873.5 |
| 132.5° | 900.1 | 902.0 | 903.9 | 905.1 | 905.5 | 906.0 | 906.3 | 906.8 |
| 135° | 946.8 | 948.8 | 950.7 | 952.3 | 953.3 | 954.3 | 955.4 | 956.4 |
| 137.5° | 991.9 | 993.8 | 995.7 | 996.8 | 997.2 | 997.6 | 998.0 | 998.3 |
| 140° | 1019.8 | 1021.8 | 1023.7 | 1025.0 | 1025.8 | 1026.4 | 1027.2 | 1027.8 |
| 142.5° | 1046.0 | 1047.6 | 1049.2 | 1050.2 | 1050.7 | 1051.1 | 1051.6 | 1052.1 |
| 145° | 1083.5 | 1084.4 | 1085.2 | 1086.0 | 1086.8 | 1087.7 | 1088.4 | 1089.3 |
| 147.5° | 1116.6 | 1116.9 | 1117.2 | 1117.6 | 1118.0 | 1118.6 | 1119.2 | 1119.6 |
| 150° | 1138.3 | 1138.3 | 1138.3 | 1138.4 | 1138.6 | 1138.9 | 1139.1 | 1139.3 |
| 152.5° | 1157.3 | 1157.6 | 1158.0 | 1158.1 | 1158.0 | 1157.8 | 1157.7 | 1157.6 |
| 155° | 1183.0 | 1183.8 | 1184.7 | 1184.8 | 1184.1 | 1183.6 | 1182.9 | 1182.2 |
| 157.5° | 1205.0 | 1206.2 | 1207.3 | 1207.3 | 1206.2 | 1205.0 | 1204.0 | 1202.9 |
| 160° | 1219.2 | 1220.4 | 1221.7 | 1221.7 | 1220.4 | 1219.2 | 1217.9 | 1216.6 |
| 162.5° | 1230.6 | 1231.9 | 1233.1 | 1233.1 | 1231.6 | 1230.2 | 1228.8 | 1227.3 |
| 165° | 1246.8 | 1248.5 | 1250.2 | 1250.0 | 1248.1 | 1246.2 | 1244.3 | 1242.4 |
| 167.5° | 1258.6 | 1260.5 | 1262.3 | 1262.2 | 1260.1 | 1257.9 | 1255.8 | 1253.7 |
| 170° | 1265.8 | 1267.5 | 1269.2 | 1269.0 | 1266.9 | 1264.8 | 1262.6 | 1260.6 |
| 172.5° | 1270.5 | 1272.1 | 1273.8 | 1273.6 | 1271.2 | 1268.9 | 1266.7 | 1264.3 |
| 175° | 1275.8 | 1277.7 | 1279.7 | 1279.3 | 1276.8 | 1274.2 | 1271.7 | 1269.1 |
| 177.5° | 1278.0 | 1279.3 | 1280.7 | 1280.3 | 1278.3 | 1276.3 | 1274.2 | 1272.2 |
| 180° | 1276.8 | 1276.8 | 1276.8 | 1276.8 | 1276.8 | 1276.8 | 1276.8 | 1276.8 |

(END OF REPORT)