

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: P333368-935

Luminaire Tested: **S125DIW-S375D1560U935-4F0-1E-UDD-F**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333368-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIW-S375D1560U935-4F0-1E-UDD-F  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
UPLIGHT 1560 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6681.7 lumens  
Efficiency: N/A  
Efficacy: 125.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

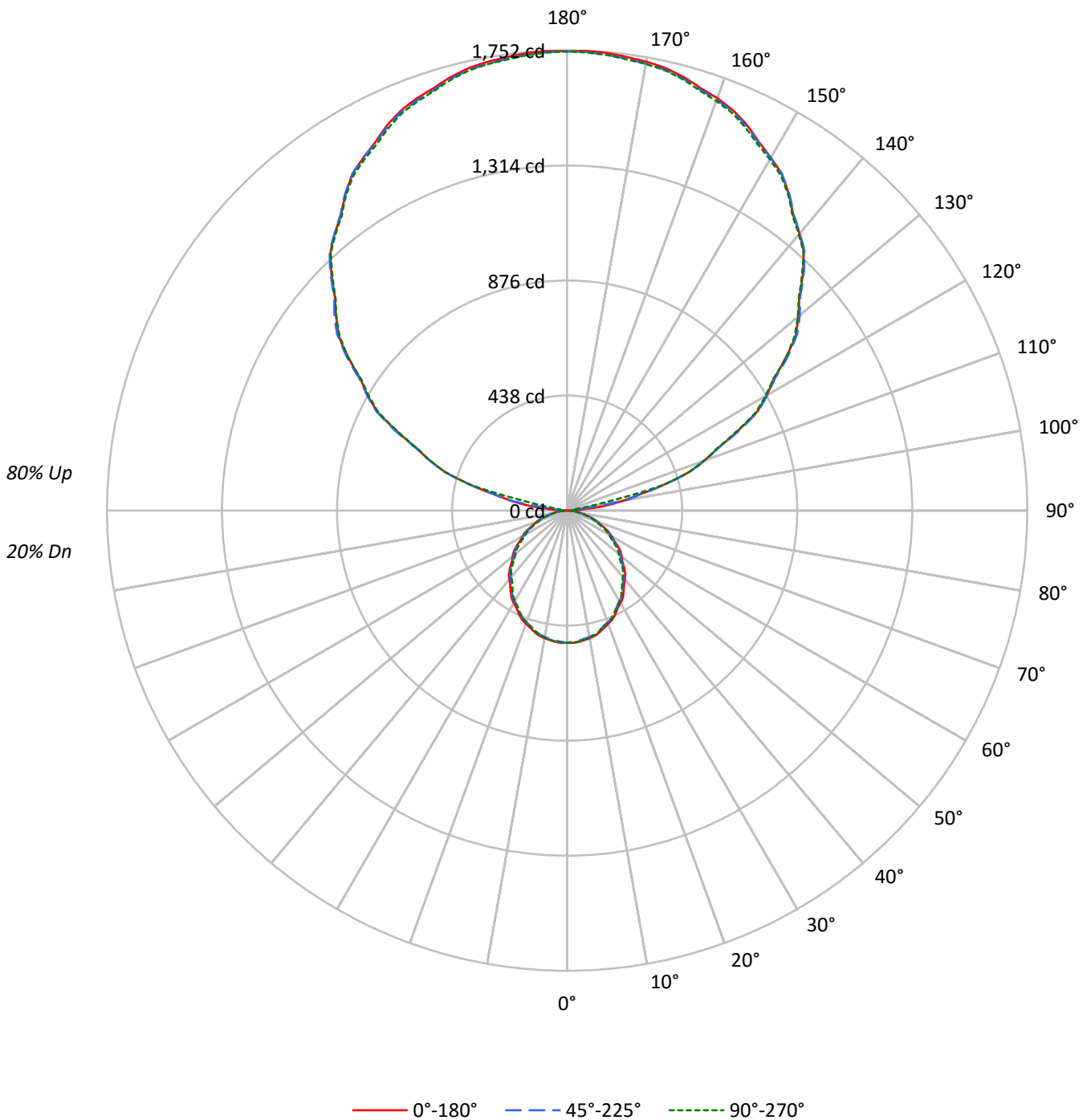
Input Watts (W): 53.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





TEST NUMBER: P333368-935

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**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   | 100 | 100 | 100 | 100 | 88 | 88 | 88 | 88 | 66 | 66 | 66 | 47 | 47 | 47 | 28 | 28 | 28 | 20 |
| 1   | 91  | 87  | 83  | 80  | 80 | 77 | 74 | 71 | 58 | 56 | 54 | 41 | 40 | 38 | 25 | 24 | 24 | 16 |
| 2   | 83  | 76  | 70  | 65  | 73 | 67 | 62 | 58 | 51 | 48 | 45 | 36 | 34 | 32 | 22 | 21 | 20 | 14 |
| 3   | 75  | 66  | 60  | 54  | 66 | 59 | 53 | 48 | 45 | 41 | 38 | 32 | 29 | 27 | 19 | 18 | 17 | 12 |
| 4   | 69  | 59  | 51  | 45  | 61 | 52 | 46 | 41 | 40 | 35 | 32 | 28 | 25 | 23 | 17 | 16 | 15 | 10 |
| 5   | 63  | 52  | 44  | 39  | 55 | 46 | 40 | 35 | 35 | 31 | 27 | 25 | 22 | 20 | 15 | 14 | 13 | 9  |
| 6   | 58  | 46  | 39  | 33  | 51 | 41 | 35 | 30 | 32 | 27 | 24 | 22 | 20 | 17 | 14 | 12 | 11 | 8  |
| 7   | 53  | 42  | 34  | 29  | 47 | 37 | 31 | 26 | 28 | 24 | 21 | 20 | 17 | 15 | 13 | 11 | 10 | 7  |
| 8   | 49  | 38  | 30  | 25  | 43 | 34 | 27 | 23 | 26 | 21 | 18 | 19 | 16 | 13 | 12 | 10 | 9  | 6  |
| 9   | 46  | 34  | 27  | 22  | 40 | 31 | 24 | 20 | 24 | 19 | 16 | 17 | 14 | 12 | 11 | 9  | 8  | 5  |
| 10  | 43  | 31  | 24  | 20  | 38 | 28 | 22 | 18 | 22 | 17 | 14 | 16 | 13 | 11 | 10 | 8  | 7  | 5  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3249 | 3249 | 3249 |
| 5°  | 3255 | 3225 | 3245 |
| 10° | 3236 | 3202 | 3220 |
| 15° | 3201 | 3163 | 3177 |
| 20° | 3151 | 3110 | 3115 |
| 25° | 3096 | 3046 | 3043 |
| 30° | 3030 | 2976 | 2961 |
| 35° | 2958 | 2902 | 2861 |
| 40° | 2885 | 2822 | 2780 |
| 45° | 2806 | 2747 | 2693 |
| 50° | 2719 | 2659 | 2579 |
| 55° | 2634 | 2558 | 2486 |
| 60° | 2533 | 2457 | 2370 |
| 65° | 2415 | 2335 | 2257 |
| 70° | 2298 | 2194 | 2119 |
| 75° | 2094 | 2026 | 1956 |
| 80° | 1863 | 1834 | 1789 |
| 85° | 1623 | 1652 | 1564 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 47.4   | 0.7       |
| 10°-20°   | 134.0  | 2.0       |
| 20°-30°   | 197.8  | 3.0       |
| 30°-40°   | 230.8  | 3.5       |
| 40°-50°   | 231.8  | 3.5       |
| 50°-60°   | 203.5  | 3.0       |
| 60°-70°   | 151.6  | 2.3       |
| 70°-80°   | 86.7   | 1.3       |
| 80°-90°   | 28.9   | 0.4       |
| 90°-100°  | 63.5   | 1.0       |
| 100°-110° | 391.6  | 5.9       |
| 110°-120° | 710.2  | 10.6      |
| 120°-130° | 911.5  | 13.6      |
| 130°-140° | 980.4  | 14.7      |
| 140°-150° | 920.2  | 13.8      |
| 150°-160° | 744.4  | 11.1      |
| 160°-170° | 481.4  | 7.2       |
| 170°-180° | 166.0  | 2.5       |
| 0°-30°    | 379.2  | 5.7       |
| 0°-40°    | 610.0  | 9.1       |
| 0°-60°    | 1045.3 | 15.6      |
| 0°-90°    | 1312.5 | 19.6      |
| 90°-120°  | 1165.3 | 17.4      |
| 90°-150°  | 3977.4 | 59.5      |
| 90°-180°  | 5369.0 | 80.4      |
| 0°-180°   | 6681.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 503  | 503   | 503  | 503   | 503  |      |
| 5°   | 502  | 501   | 497  | 501   | 501  | 48   |
| 15°  | 479  | 477   | 473  | 475   | 475  | 135  |
| 25°  | 434  | 432   | 427  | 428   | 427  | 200  |
| 35°  | 375  | 373   | 368  | 366   | 363  | 235  |
| 45°  | 307  | 305   | 301  | 296   | 295  | 237  |
| 55°  | 234  | 232   | 227  | 224   | 221  | 209  |
| 65°  | 158  | 157   | 153  | 149   | 148  | 157  |
| 75°  | 84   | 83    | 81   | 80    | 78   | 89   |
| 85°  | 22   | 22    | 22   | 22    | 21   | 24   |
| 90°  | 1    | 12    | 21   | 27    | 31   | 4    |
| 95°  | 74   | 67    | 21   | 27    | 27   | 94   |
| 105° | 381  | 386   | 386  | 386   | 385  | 404  |
| 115° | 716  | 722   | 723  | 718   | 710  | 709  |
| 125° | 1017 | 1026  | 1026 | 1021  | 1017 | 908  |
| 135° | 1269 | 1276  | 1274 | 1271  | 1264 | 978  |
| 145° | 1471 | 1474  | 1474 | 1474  | 1467 | 920  |
| 155° | 1620 | 1613  | 1615 | 1618  | 1608 | 746  |
| 165° | 1710 | 1702  | 1703 | 1710  | 1700 | 483  |
| 175° | 1748 | 1741  | 1742 | 1751  | 1741 | 166  |
| 180° | 1748 | 1748  | 1748 | 1748  | 1748 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 |
| 2.5°   | 504.2 | 504.0 | 503.9 | 503.6 | 503.4 | 502.9 | 502.2 | 501.5 | 500.8 | 500.1 | 500.8 |
| 5°     | 502.1 | 502.0 | 501.8 | 501.6 | 501.4 | 500.9 | 500.1 | 499.2 | 498.3 | 497.4 | 498.2 |
| 7.5°   | 497.6 | 497.4 | 497.2 | 497.1 | 496.9 | 496.3 | 495.3 | 494.3 | 493.4 | 492.4 | 493.2 |
| 10°    | 493.4 | 493.3 | 493.1 | 492.9 | 492.8 | 492.1 | 491.2 | 490.2 | 489.2 | 488.3 | 489.0 |
| 12.5°  | 488.4 | 488.0 | 487.7 | 487.4 | 487.1 | 486.5 | 485.5 | 484.7 | 483.7 | 482.8 | 483.4 |
| 15°    | 478.7 | 478.5 | 478.2 | 477.9 | 477.6 | 477.0 | 476.0 | 475.1 | 474.1 | 473.1 | 473.6 |
| 17.5°  | 467.6 | 467.3 | 466.8 | 466.5 | 466.1 | 465.4 | 464.3 | 463.4 | 462.4 | 461.3 | 461.9 |
| 20°    | 458.4 | 458.2 | 458.1 | 457.9 | 457.7 | 457.0 | 455.9 | 454.7 | 453.6 | 452.5 | 453.1 |
| 22.5°  | 449.2 | 448.8 | 448.5 | 448.2 | 447.9 | 447.2 | 446.1 | 445.1 | 443.9 | 442.9 | 443.3 |
| 25°    | 434.5 | 434.1 | 433.6 | 433.2 | 432.7 | 432.0 | 430.8 | 429.6 | 428.5 | 427.4 | 427.6 |
| 27.5°  | 417.4 | 417.2 | 416.9 | 416.6 | 416.4 | 415.6 | 414.5 | 413.3 | 412.1 | 410.9 | 411.0 |
| 30°    | 406.3 | 406.0 | 405.7 | 405.4 | 405.2 | 404.4 | 403.1 | 401.7 | 400.5 | 399.1 | 398.9 |
| 32.5°  | 394.2 | 393.7 | 393.4 | 393.0 | 392.5 | 391.8 | 390.5 | 389.3 | 388.2 | 387.0 | 386.7 |
| 35°    | 375.2 | 374.9 | 374.5 | 374.2 | 373.8 | 373.0 | 371.8 | 370.6 | 369.3 | 368.1 | 367.6 |
| 37.5°  | 355.6 | 355.2 | 354.7 | 354.2 | 353.8 | 353.0 | 351.8 | 350.7 | 349.5 | 348.4 | 347.7 |
| 40°    | 342.2 | 341.7 | 341.3 | 340.9 | 340.4 | 339.6 | 338.4 | 337.2 | 335.9 | 334.7 | 333.9 |
| 42.5°  | 327.9 | 327.5 | 327.2 | 326.7 | 326.4 | 325.6 | 324.3 | 323.1 | 321.8 | 320.6 | 319.9 |
| 45°    | 307.2 | 306.9 | 306.5 | 306.2 | 305.7 | 305.1 | 304.0 | 303.0 | 301.9 | 300.8 | 299.8 |
| 47.5°  | 284.9 | 284.9 | 284.9 | 285.0 | 285.0 | 284.4 | 283.1 | 281.8 | 280.5 | 279.2 | 278.2 |
| 50°    | 270.6 | 270.4 | 270.1 | 269.8 | 269.5 | 268.9 | 267.8 | 266.7 | 265.7 | 264.6 | 263.5 |
| 52.5°  | 256.0 | 255.7 | 255.5 | 255.4 | 255.2 | 254.5 | 253.4 | 252.3 | 251.1 | 249.9 | 249.0 |
| 55°    | 233.9 | 233.7 | 233.4 | 233.2 | 232.9 | 232.1 | 230.9 | 229.7 | 228.4 | 227.2 | 226.4 |
| 57.5°  | 210.9 | 210.7 | 210.5 | 210.4 | 210.3 | 209.7 | 208.6 | 207.6 | 206.6 | 205.5 | 204.5 |
| 60°    | 196.1 | 195.8 | 195.4 | 195.1 | 194.8 | 194.1 | 193.1 | 192.2 | 191.1 | 190.2 | 189.3 |
| 62.5°  | 180.9 | 180.6 | 180.3 | 180.0 | 179.8 | 179.2 | 178.4 | 177.5 | 176.7 | 175.9 | 175.0 |
| 65°    | 158.0 | 157.8 | 157.6 | 157.5 | 157.3 | 156.7 | 155.8 | 154.7 | 153.8 | 152.8 | 152.0 |
| 67.5°  | 135.8 | 135.4 | 135.0 | 134.7 | 134.3 | 133.7 | 133.0 | 132.2 | 131.6 | 130.9 | 130.2 |
| 70°    | 121.7 | 121.3 | 120.9 | 120.5 | 120.0 | 119.3 | 118.6 | 117.8 | 117.0 | 116.2 | 115.6 |
| 72.5°  | 106.5 | 106.2 | 105.9 | 105.6 | 105.3 | 104.9 | 104.4 | 103.8 | 103.3 | 102.8 | 102.2 |
| 75°    | 83.9  | 83.8  | 83.6  | 83.4  | 83.3  | 82.9  | 82.5  | 82.1  | 81.6  | 81.2  | 80.9  |
| 77.5°  | 63.2  | 63.1  | 63.0  | 62.9  | 62.9  | 62.8  | 62.5  | 62.3  | 62.0  | 61.7  | 61.6  |
| 80°    | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.0  | 49.9  | 49.7  | 49.5  | 49.3  | 49.2  |
| 82.5°  | 38.7  | 38.6  | 38.4  | 38.2  | 38.1  | 38.1  | 38.0  | 38.0  | 37.9  | 37.9  | 37.7  |
| 85°    | 21.9  | 22.0  | 22.0  | 22.1  | 22.2  | 22.3  | 22.3  | 22.3  | 22.3  | 22.3  | 22.2  |
| 87.5°  | 8.9   | 9.3   | 9.8   | 10.2  | 10.7  | 11.1  | 11.5  | 11.8  | 12.1  | 12.4  | 12.7  |
| 90°    | 1.3   | 3.6   | 5.9   | 8.2   | 10.5  | 12.7  | 14.7  | 16.7  | 18.7  | 20.8  | 22.2  |
| 92.5°  | 20.0  | 18.3  | 16.7  | 15.2  | 13.5  | 13.6  | 15.4  | 17.1  | 18.9  | 20.8  | 22.2  |
| 95°    | 73.9  | 73.0  | 72.2  | 71.3  | 70.4  | 64.5  | 53.6  | 42.6  | 31.7  | 20.8  | 22.2  |
| 97.5°  | 154.2 | 155.8 | 157.3 | 158.9 | 160.5 | 150.4 | 128.7 | 107.1 | 85.4  | 63.8  | 55.6  |
| 100°   | 216.5 | 217.3 | 218.2 | 219.0 | 219.9 | 220.9 | 222.1 | 223.3 | 224.4 | 225.5 | 182.6 |
| 102.5° | 279.7 | 280.8 | 281.9 | 283.0 | 284.0 | 285.0 | 285.7 | 286.4 | 287.1 | 287.7 | 279.7 |
| 105°   | 381.1 | 382.2 | 383.4 | 384.5 | 385.6 | 386.2 | 386.2 | 386.2 | 386.2 | 386.2 | 386.2 |
| 107.5° | 486.3 | 486.3 | 486.3 | 486.3 | 486.3 | 486.6 | 487.2 | 487.8 | 488.4 | 488.9 | 489.0 |
| 110°   | 554.7 | 554.7 | 554.7 | 554.7 | 554.7 | 555.0 | 555.6 | 556.2 | 556.7 | 557.3 | 556.5 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 619.1  | 619.7  | 620.4  | 621.1  | 621.8  | 622.3  | 622.7  | 623.0  | 623.4  | 623.7  | 622.6  |
| 115°   | 715.5  | 716.9  | 718.3  | 719.8  | 721.2  | 722.0  | 722.4  | 722.6  | 723.0  | 723.2  | 722.0  |
| 117.5° | 815.3  | 815.2  | 815.1  | 815.1  | 815.0  | 815.5  | 816.7  | 817.7  | 818.8  | 819.9  | 818.4  |
| 120°   | 877.4  | 877.2  | 876.9  | 876.6  | 876.3  | 876.6  | 877.4  | 878.3  | 879.2  | 880.0  | 879.5  |
| 122.5° | 932.5  | 933.5  | 934.6  | 935.7  | 936.8  | 937.5  | 938.0  | 938.3  | 938.7  | 939.2  | 938.6  |
| 125°   | 1017.4 | 1019.4 | 1021.5 | 1023.5 | 1025.5 | 1026.5 | 1026.5 | 1026.5 | 1026.5 | 1026.5 | 1025.4 |
| 127.5° | 1098.5 | 1100.0 | 1101.5 | 1102.9 | 1104.3 | 1105.0 | 1104.8 | 1104.7 | 1104.5 | 1104.3 | 1103.6 |
| 130°   | 1148.3 | 1149.8 | 1151.2 | 1152.7 | 1154.1 | 1154.9 | 1155.3 | 1155.5 | 1155.8 | 1156.2 | 1155.3 |
| 132.5° | 1198.1 | 1199.8 | 1201.4 | 1203.2 | 1204.8 | 1205.3 | 1204.7 | 1204.0 | 1203.4 | 1202.8 | 1202.6 |
| 135°   | 1268.9 | 1270.6 | 1272.4 | 1274.1 | 1275.8 | 1276.3 | 1275.8 | 1275.2 | 1274.6 | 1274.1 | 1273.5 |
| 137.5° | 1333.9 | 1335.4 | 1337.0 | 1338.4 | 1340.0 | 1340.4 | 1339.9 | 1339.4 | 1338.9 | 1338.3 | 1338.5 |
| 140°   | 1376.5 | 1377.1 | 1377.6 | 1378.2 | 1378.8 | 1378.9 | 1378.6 | 1378.4 | 1378.0 | 1377.8 | 1378.4 |
| 142.5° | 1414.8 | 1415.1 | 1415.5 | 1415.8 | 1416.2 | 1416.6 | 1417.0 | 1417.4 | 1417.8 | 1418.2 | 1418.3 |
| 145°   | 1471.1 | 1471.6 | 1472.2 | 1472.8 | 1473.4 | 1473.7 | 1473.7 | 1473.7 | 1473.7 | 1473.7 | 1473.9 |
| 147.5° | 1520.4 | 1520.2 | 1520.1 | 1520.0 | 1519.8 | 1520.0 | 1520.4 | 1520.7 | 1521.0 | 1521.4 | 1521.7 |
| 150°   | 1551.4 | 1550.8 | 1550.3 | 1549.7 | 1549.1 | 1549.1 | 1549.7 | 1550.3 | 1550.8 | 1551.4 | 1552.0 |
| 152.5° | 1581.5 | 1580.3 | 1579.0 | 1577.7 | 1576.4 | 1576.1 | 1576.7 | 1577.3 | 1577.9 | 1578.4 | 1579.0 |
| 155°   | 1620.1 | 1618.4 | 1616.7 | 1615.0 | 1613.3 | 1612.7 | 1613.3 | 1613.8 | 1614.4 | 1615.0 | 1615.8 |
| 157.5° | 1649.9 | 1648.9 | 1647.9 | 1646.8 | 1645.8 | 1645.3 | 1645.4 | 1645.5 | 1645.5 | 1645.5 | 1646.5 |
| 160°   | 1670.7 | 1669.0 | 1667.2 | 1665.5 | 1663.8 | 1663.0 | 1663.4 | 1663.6 | 1663.9 | 1664.2 | 1665.3 |
| 162.5° | 1687.3 | 1685.6 | 1683.9 | 1682.0 | 1680.3 | 1679.6 | 1679.9 | 1680.2 | 1680.5 | 1680.8 | 1682.4 |
| 165°   | 1709.6 | 1707.9 | 1706.1 | 1704.3 | 1702.6 | 1701.9 | 1702.2 | 1702.5 | 1702.8 | 1703.1 | 1704.8 |
| 167.5° | 1726.1 | 1724.4 | 1722.6 | 1720.8 | 1719.0 | 1718.3 | 1718.6 | 1718.8 | 1719.2 | 1719.4 | 1721.5 |
| 170°   | 1735.5 | 1733.5 | 1731.5 | 1729.4 | 1727.4 | 1726.6 | 1726.8 | 1727.2 | 1727.4 | 1727.7 | 1730.0 |
| 172.5° | 1741.7 | 1739.7 | 1737.7 | 1735.7 | 1733.6 | 1732.9 | 1733.5 | 1734.0 | 1734.5 | 1735.0 | 1737.1 |
| 175°   | 1748.4 | 1746.7 | 1745.0 | 1743.3 | 1741.5 | 1740.9 | 1741.1 | 1741.4 | 1741.7 | 1742.0 | 1744.3 |
| 177.5° | 1751.5 | 1750.2 | 1748.8 | 1747.4 | 1746.0 | 1745.4 | 1745.7 | 1745.9 | 1746.1 | 1746.4 | 1748.0 |
| 180°   | 1748.4 | 1748.4 | 1748.4 | 1748.4 | 1748.4 | 1748.4 | 1748.4 | 1748.4 | 1748.4 | 1748.4 | 1748.4 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 |
| 2.5°   | 501.5 | 502.2 | 502.9 | 503.3 | 503.2 | 503.1 | 503.1 | 503.0 |
| 5°     | 498.9 | 499.8 | 500.6 | 500.9 | 500.8 | 500.8 | 500.7 | 500.6 |
| 7.5°   | 494.0 | 494.7 | 495.5 | 495.8 | 495.8 | 495.7 | 495.6 | 495.5 |
| 10°    | 489.7 | 490.3 | 491.1 | 491.4 | 491.3 | 491.2 | 491.1 | 491.0 |
| 12.5°  | 484.0 | 484.6 | 485.1 | 485.3 | 485.3 | 485.3 | 485.3 | 485.3 |
| 15°    | 474.0 | 474.4 | 474.9 | 475.1 | 475.1 | 475.1 | 475.1 | 475.1 |
| 17.5°  | 462.4 | 463.0 | 463.6 | 463.6 | 463.1 | 462.7 | 462.3 | 461.8 |
| 20°    | 453.7 | 454.3 | 454.9 | 455.0 | 454.5 | 454.1 | 453.7 | 453.2 |
| 22.5°  | 443.7 | 444.1 | 444.5 | 444.5 | 444.3 | 443.9 | 443.7 | 443.3 |
| 25°    | 427.7 | 427.9 | 428.1 | 428.0 | 427.7 | 427.5 | 427.2 | 427.0 |
| 27.5°  | 411.0 | 411.0 | 411.0 | 411.0 | 410.6 | 410.4 | 410.1 | 409.8 |
| 30°    | 398.7 | 398.6 | 398.4 | 398.2 | 398.0 | 397.7 | 397.4 | 397.1 |
| 32.5°  | 386.4 | 386.1 | 385.7 | 385.4 | 384.9 | 384.4 | 383.9 | 383.4 |
| 35°    | 367.2 | 366.8 | 366.3 | 365.8 | 365.1 | 364.3 | 363.6 | 362.9 |
| 37.5°  | 347.1 | 346.4 | 345.7 | 345.2 | 344.7 | 344.4 | 344.0 | 343.5 |
| 40°    | 333.0 | 332.3 | 331.5 | 331.0 | 330.7 | 330.4 | 330.1 | 329.8 |
| 42.5°  | 319.2 | 318.5 | 317.7 | 317.2 | 316.8 | 316.3 | 316.0 | 315.6 |
| 45°    | 298.7 | 297.6 | 296.6 | 295.9 | 295.7 | 295.4 | 295.2 | 294.9 |
| 47.5°  | 277.1 | 276.0 | 274.9 | 274.1 | 273.5 | 272.9 | 272.2 | 271.6 |
| 50°    | 262.3 | 261.1 | 260.0 | 259.2 | 258.5 | 257.9 | 257.3 | 256.7 |
| 52.5°  | 248.0 | 246.9 | 245.9 | 245.1 | 244.4 | 243.7 | 243.1 | 242.4 |
| 55°    | 225.6 | 224.8 | 224.0 | 223.3 | 222.7 | 222.1 | 221.4 | 220.8 |
| 57.5°  | 203.5 | 202.4 | 201.4 | 200.7 | 200.4 | 200.0 | 199.7 | 199.3 |
| 60°    | 188.5 | 187.5 | 186.7 | 185.9 | 185.3 | 184.7 | 184.1 | 183.5 |
| 62.5°  | 174.0 | 173.0 | 172.0 | 171.3 | 170.9 | 170.4 | 169.9 | 169.4 |
| 65°    | 151.2 | 150.4 | 149.6 | 149.0 | 148.7 | 148.4 | 148.0 | 147.7 |
| 67.5°  | 129.5 | 128.8 | 128.1 | 127.7 | 127.5 | 127.3 | 127.1 | 126.8 |
| 70°    | 115.1 | 114.6 | 114.1 | 113.7 | 113.3 | 113.0 | 112.5 | 112.2 |
| 72.5°  | 101.6 | 101.0 | 100.4 | 100.0 | 99.6  | 99.3  | 98.8  | 98.5  |
| 75°    | 80.7  | 80.4  | 80.1  | 79.8  | 79.5  | 79.1  | 78.8  | 78.4  |
| 77.5°  | 61.5  | 61.3  | 61.1  | 61.0  | 60.7  | 60.4  | 60.2  | 59.9  |
| 80°    | 49.2  | 49.1  | 49.0  | 48.8  | 48.6  | 48.5  | 48.3  | 48.1  |
| 82.5°  | 37.5  | 37.4  | 37.3  | 37.1  | 37.1  | 37.1  | 37.0  | 37.0  |
| 85°    | 22.1  | 22.0  | 22.0  | 21.8  | 21.6  | 21.4  | 21.3  | 21.1  |
| 87.5°  | 13.0  | 13.3  | 13.6  | 13.8  | 13.8  | 13.8  | 13.9  | 13.9  |
| 90°    | 23.6  | 25.1  | 26.5  | 27.6  | 28.5  | 29.4  | 30.2  | 31.1  |
| 92.5°  | 23.6  | 25.1  | 26.5  | 27.4  | 27.8  | 28.2  | 28.7  | 29.0  |
| 95°    | 23.6  | 25.1  | 26.5  | 27.2  | 27.2  | 27.2  | 27.2  | 27.2  |
| 97.5°  | 47.5  | 39.4  | 31.3  | 27.2  | 27.2  | 27.2  | 27.2  | 27.2  |
| 100°   | 139.7 | 96.8  | 53.9  | 31.9  | 30.7  | 29.5  | 28.4  | 27.2  |
| 102.5° | 271.5 | 263.4 | 255.3 | 241.4 | 221.8 | 202.2 | 182.6 | 163.1 |
| 105°   | 386.2 | 386.2 | 386.2 | 386.1 | 385.8 | 385.6 | 385.2 | 385.0 |
| 107.5° | 489.0 | 489.0 | 489.1 | 488.7 | 487.8 | 487.0 | 486.1 | 485.3 |
| 110°   | 555.6 | 554.7 | 553.9 | 553.6 | 553.9 | 554.1 | 554.5 | 554.7 |





TEST NUMBER: P333368-935

CATALOG NUMBER: S125DIW-S375D1560U935-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 621.5  | 620.4  | 619.3  | 618.5  | 618.2  | 617.8  | 617.3  | 616.9  |
| 115°   | 720.9  | 719.8  | 718.6  | 717.2  | 715.5  | 713.7  | 712.0  | 710.2  |
| 117.5° | 816.9  | 815.5  | 813.9  | 812.8  | 812.1  | 811.3  | 810.5  | 809.8  |
| 120°   | 878.9  | 878.3  | 877.8  | 876.8  | 875.3  | 873.8  | 872.5  | 871.0  |
| 122.5° | 938.0  | 937.5  | 936.9  | 935.7  | 934.1  | 932.4  | 930.7  | 929.0  |
| 125°   | 1024.2 | 1023.0 | 1021.9 | 1020.9 | 1020.0 | 1019.2 | 1018.3 | 1017.4 |
| 127.5° | 1103.0 | 1102.4 | 1101.7 | 1100.4 | 1098.2 | 1096.1 | 1094.0 | 1091.8 |
| 130°   | 1154.4 | 1153.6 | 1152.7 | 1151.5 | 1150.1 | 1148.7 | 1147.2 | 1145.7 |
| 132.5° | 1202.5 | 1202.3 | 1202.1 | 1201.3 | 1199.9 | 1198.4 | 1197.0 | 1195.5 |
| 135°   | 1272.9 | 1272.4 | 1271.8 | 1270.6 | 1268.9 | 1267.1 | 1265.4 | 1263.7 |
| 137.5° | 1338.6 | 1338.7 | 1338.9 | 1338.2 | 1336.6 | 1335.2 | 1333.6 | 1332.1 |
| 140°   | 1378.9 | 1379.5 | 1380.1 | 1379.5 | 1377.8 | 1376.1 | 1374.3 | 1372.6 |
| 142.5° | 1418.4 | 1418.6 | 1418.7 | 1417.9 | 1416.1 | 1414.4 | 1412.6 | 1410.9 |
| 145°   | 1474.3 | 1474.5 | 1474.8 | 1474.1 | 1472.4 | 1470.7 | 1469.0 | 1467.2 |
| 147.5° | 1522.1 | 1522.4 | 1522.8 | 1521.9 | 1519.8 | 1517.8 | 1515.7 | 1513.6 |
| 150°   | 1552.6 | 1553.2 | 1553.8 | 1552.9 | 1550.6 | 1548.3 | 1546.0 | 1543.7 |
| 152.5° | 1579.6 | 1580.1 | 1580.7 | 1579.9 | 1577.9 | 1575.8 | 1573.7 | 1571.7 |
| 155°   | 1616.7 | 1617.6 | 1618.4 | 1617.6 | 1615.4 | 1613.1 | 1610.8 | 1608.4 |
| 157.5° | 1647.4 | 1648.3 | 1649.2 | 1648.6 | 1646.2 | 1643.9 | 1641.6 | 1639.3 |
| 160°   | 1666.5 | 1667.7 | 1668.8 | 1668.3 | 1665.9 | 1663.6 | 1661.3 | 1659.1 |
| 162.5° | 1684.0 | 1685.7 | 1687.2 | 1686.8 | 1684.3 | 1681.7 | 1679.2 | 1676.6 |
| 165°   | 1706.5 | 1708.3 | 1710.0 | 1709.7 | 1707.4 | 1705.1 | 1702.8 | 1700.5 |
| 167.5° | 1723.5 | 1725.6 | 1727.7 | 1727.4 | 1724.8 | 1722.3 | 1719.7 | 1717.1 |
| 170°   | 1732.3 | 1734.7 | 1736.9 | 1736.8 | 1734.2 | 1731.6 | 1729.0 | 1726.4 |
| 172.5° | 1739.1 | 1741.2 | 1743.3 | 1743.0 | 1740.4 | 1737.8 | 1735.3 | 1732.7 |
| 175°   | 1746.5 | 1748.9 | 1751.2 | 1751.0 | 1748.4 | 1745.8 | 1743.3 | 1740.7 |
| 177.5° | 1749.6 | 1751.2 | 1752.8 | 1752.7 | 1750.8 | 1749.0 | 1747.1 | 1745.3 |
| 180°   | 1748.4 | 1748.4 | 1748.4 | 1748.4 | 1748.4 | 1748.4 | 1748.4 | 1748.4 |

(END OF REPORT)