

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: P333362-830

Luminaire Tested: **S125DIW-S375D1340U830-4F0-1E-UDD-F**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333362-830  
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-S375D1340U830-4F0-1E-UDD-F  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
UPLIGHT 1340 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

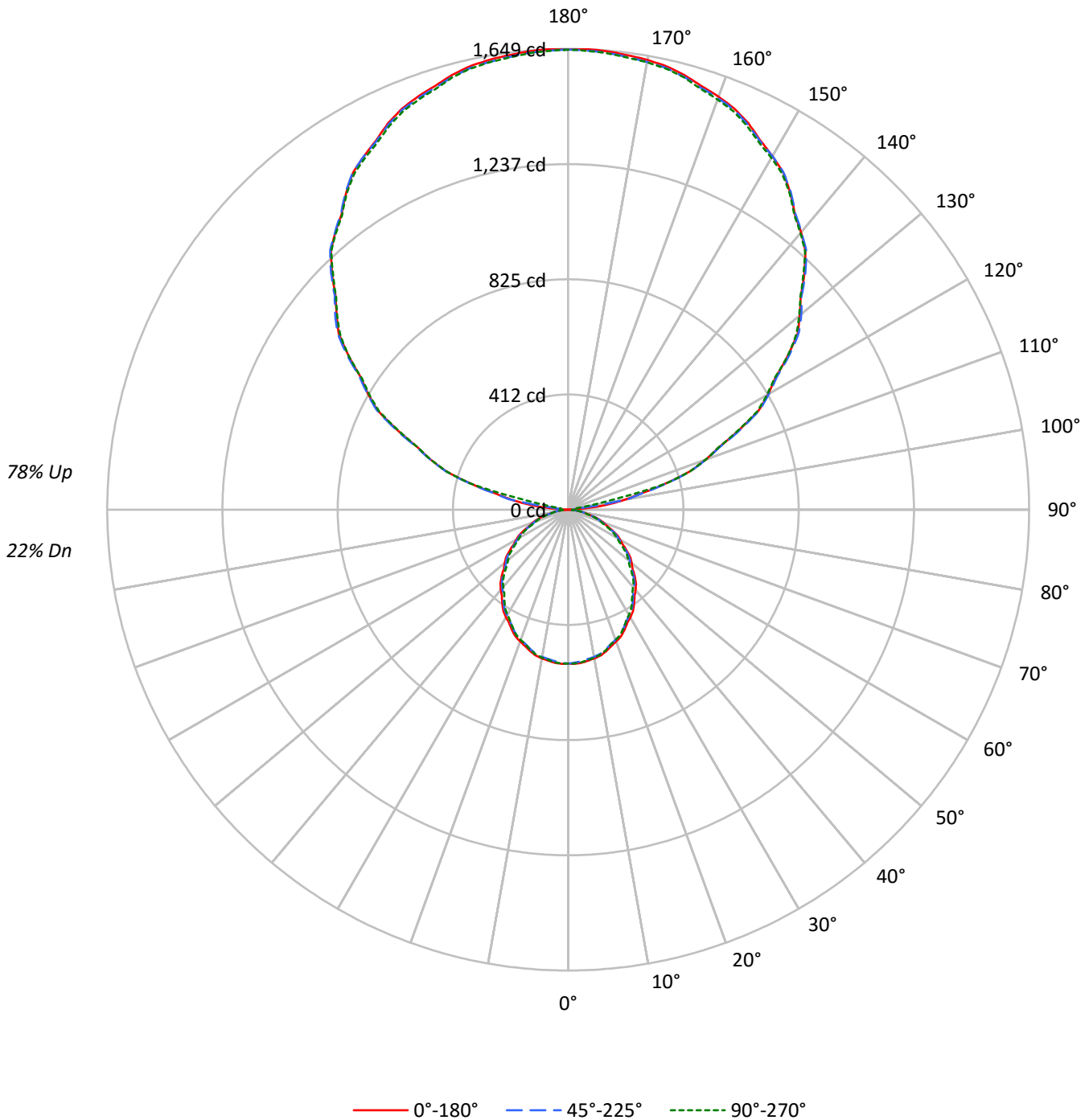
Lumens per Lamp: N/A  
Luminaire Lumens: 6491.6 lumens  
Efficiency: N/A  
Efficacy: 139.3 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 46.6  
Input Voltage (V): 120  
Input Current (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: P333362-830

CATALOG NUMBER: S125DIW-S375D1340U830-4F0-1E-UDD-F

### Luminous Intensity Polar Plot





TEST NUMBER: P333362-830

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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   | 101 | 101 | 101 | 101 | 89 | 89 | 89 | 89 | 68 | 68 | 68 | 48 | 48 | 48 | 31 | 31 | 31 | 22 |
| 1   | 92  | 87  | 84  | 80  | 81 | 78 | 74 | 72 | 59 | 57 | 55 | 42 | 41 | 40 | 27 | 26 | 26 | 19 |
| 2   | 83  | 76  | 70  | 65  | 74 | 68 | 63 | 59 | 52 | 49 | 46 | 37 | 35 | 33 | 24 | 23 | 22 | 16 |
| 3   | 76  | 67  | 60  | 54  | 67 | 60 | 54 | 49 | 46 | 42 | 38 | 33 | 30 | 28 | 21 | 19 | 18 | 13 |
| 4   | 69  | 59  | 52  | 46  | 61 | 53 | 46 | 41 | 40 | 36 | 33 | 29 | 26 | 24 | 19 | 17 | 16 | 11 |
| 5   | 63  | 52  | 45  | 39  | 56 | 47 | 40 | 35 | 36 | 31 | 28 | 26 | 23 | 21 | 17 | 15 | 14 | 10 |
| 6   | 58  | 47  | 39  | 34  | 51 | 42 | 35 | 30 | 32 | 28 | 24 | 23 | 20 | 18 | 15 | 13 | 12 | 9  |
| 7   | 54  | 42  | 34  | 29  | 47 | 38 | 31 | 26 | 29 | 24 | 21 | 21 | 18 | 16 | 14 | 12 | 11 | 8  |
| 8   | 50  | 38  | 31  | 26  | 44 | 34 | 28 | 23 | 26 | 22 | 19 | 19 | 16 | 14 | 13 | 11 | 9  | 7  |
| 9   | 46  | 35  | 27  | 23  | 41 | 31 | 25 | 21 | 24 | 20 | 16 | 18 | 15 | 12 | 12 | 10 | 8  | 6  |
| 10  | 43  | 31  | 25  | 20  | 38 | 28 | 22 | 18 | 22 | 18 | 15 | 16 | 13 | 11 | 11 | 9  | 8  | 6  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3556 | 3556 | 3556 |
| 5°  | 3564 | 3530 | 3553 |
| 10° | 3543 | 3505 | 3525 |
| 15° | 3504 | 3463 | 3477 |
| 20° | 3449 | 3404 | 3410 |
| 25° | 3390 | 3334 | 3331 |
| 30° | 3317 | 3258 | 3242 |
| 35° | 3239 | 3177 | 3132 |
| 40° | 3159 | 3089 | 3044 |
| 45° | 3072 | 3008 | 2948 |
| 50° | 2976 | 2910 | 2823 |
| 55° | 2884 | 2800 | 2723 |
| 60° | 2773 | 2689 | 2595 |
| 65° | 2644 | 2557 | 2470 |
| 70° | 2517 | 2402 | 2319 |
| 75° | 2293 | 2218 | 2141 |
| 80° | 2042 | 2008 | 1960 |
| 85° | 1771 | 1808 | 1712 |



TEST NUMBER: P333362-830

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 51.9   | 0.8       |
| 10°-20°   | 146.6  | 2.3       |
| 20°-30°   | 216.5  | 3.3       |
| 30°-40°   | 252.7  | 3.9       |
| 40°-50°   | 253.8  | 3.9       |
| 50°-60°   | 222.8  | 3.4       |
| 60°-70°   | 166.0  | 2.6       |
| 70°-80°   | 94.9   | 1.5       |
| 80°-90°   | 31.0   | 0.5       |
| 90°-100°  | 59.8   | 0.9       |
| 100°-110° | 368.7  | 5.7       |
| 110°-120° | 668.7  | 10.3      |
| 120°-130° | 858.2  | 13.2      |
| 130°-140° | 923.1  | 14.2      |
| 140°-150° | 866.4  | 13.3      |
| 150°-160° | 700.9  | 10.8      |
| 160°-170° | 453.3  | 7.0       |
| 170°-180° | 156.3  | 2.4       |
| 0°-30°    | 415.1  | 6.4       |
| 0°-40°    | 667.8  | 10.3      |
| 0°-60°    | 1144.3 | 17.6      |
| 0°-90°    | 1436.2 | 22.1      |
| 90°-120°  | 1097.2 | 16.9      |
| 90°-150°  | 3744.9 | 57.7      |
| 90°-180°  | 5055.0 | 77.9      |
| 0°-180°   | 6491.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 551  | 551   | 551  | 551   | 551  |      |
| 5°   | 550  | 549   | 544  | 548   | 548  | 52   |
| 15°  | 524  | 522   | 518  | 520   | 520  | 148  |
| 25°  | 476  | 473   | 468  | 469   | 467  | 219  |
| 35°  | 411  | 409   | 403  | 401   | 397  | 257  |
| 45°  | 336  | 334   | 329  | 324   | 323  | 259  |
| 55°  | 256  | 255   | 249  | 245   | 242  | 229  |
| 65°  | 173  | 172   | 167  | 164   | 162  | 172  |
| 75°  | 92   | 91    | 89   | 88    | 86   | 98   |
| 85°  | 24   | 24    | 24   | 24    | 23   | 27   |
| 90°  | 1    | 11    | 20   | 26    | 29   | 4    |
| 95°  | 70   | 64    | 20   | 25    | 26   | 89   |
| 105° | 359  | 363   | 364  | 364   | 362  | 380  |
| 115° | 674  | 680   | 681  | 676   | 669  | 668  |
| 125° | 958  | 966   | 966  | 962   | 958  | 855  |
| 135° | 1195 | 1202  | 1200 | 1197  | 1190 | 921  |
| 145° | 1385 | 1387  | 1388 | 1388  | 1382 | 866  |
| 155° | 1525 | 1519  | 1521 | 1523  | 1514 | 703  |
| 165° | 1610 | 1603  | 1604 | 1610  | 1601 | 455  |
| 175° | 1646 | 1639  | 1640 | 1649  | 1639 | 157  |
| 180° | 1646 | 1646  | 1646 | 1646  | 1646 |      |



TEST NUMBER: P333362-830

CATALOG NUMBER: S125DIW-S375D1340U830-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 |
| 2.5°   | 552.0 | 551.8 | 551.6 | 551.3 | 551.1 | 550.5 | 549.8 | 549.0 | 548.3 | 547.4 | 548.3 |
| 5°     | 549.7 | 549.5 | 549.3 | 549.1 | 548.9 | 548.4 | 547.4 | 546.5 | 545.4 | 544.5 | 545.4 |
| 7.5°   | 544.7 | 544.5 | 544.3 | 544.1 | 543.9 | 543.3 | 542.2 | 541.1 | 540.1 | 539.0 | 539.9 |
| 10°    | 540.2 | 540.0 | 539.8 | 539.6 | 539.4 | 538.8 | 537.7 | 536.6 | 535.6 | 534.5 | 535.3 |
| 12.5°  | 534.6 | 534.2 | 533.9 | 533.6 | 533.2 | 532.5 | 531.5 | 530.6 | 529.5 | 528.6 | 529.1 |
| 15°    | 524.1 | 523.8 | 523.5 | 523.2 | 522.8 | 522.2 | 521.1 | 520.1 | 519.0 | 517.9 | 518.4 |
| 17.5°  | 511.9 | 511.5 | 511.0 | 510.7 | 510.2 | 509.4 | 508.3 | 507.3 | 506.1 | 505.0 | 505.7 |
| 20°    | 501.8 | 501.6 | 501.4 | 501.2 | 501.1 | 500.3 | 499.1 | 497.8 | 496.5 | 495.3 | 496.0 |
| 22.5°  | 491.7 | 491.3 | 491.0 | 490.7 | 490.3 | 489.6 | 488.3 | 487.2 | 486.0 | 484.8 | 485.3 |
| 25°    | 475.7 | 475.2 | 474.7 | 474.2 | 473.7 | 472.9 | 471.6 | 470.3 | 469.1 | 467.9 | 468.1 |
| 27.5°  | 456.9 | 456.7 | 456.4 | 456.1 | 455.8 | 455.0 | 453.7 | 452.4 | 451.1 | 449.8 | 449.9 |
| 30°    | 444.8 | 444.5 | 444.1 | 443.8 | 443.6 | 442.7 | 441.3 | 439.8 | 438.4 | 436.9 | 436.7 |
| 32.5°  | 431.5 | 431.0 | 430.6 | 430.2 | 429.7 | 428.9 | 427.5 | 426.2 | 425.0 | 423.7 | 423.3 |
| 35°    | 410.8 | 410.4 | 410.0 | 409.6 | 409.3 | 408.3 | 407.0 | 405.7 | 404.3 | 402.9 | 402.5 |
| 37.5°  | 389.3 | 388.8 | 388.3 | 387.8 | 387.3 | 386.4 | 385.1 | 383.9 | 382.6 | 381.4 | 380.6 |
| 40°    | 374.7 | 374.1 | 373.6 | 373.2 | 372.7 | 371.7 | 370.4 | 369.1 | 367.7 | 366.4 | 365.5 |
| 42.5°  | 358.9 | 358.5 | 358.2 | 357.7 | 357.3 | 356.5 | 355.1 | 353.7 | 352.3 | 351.0 | 350.2 |
| 45°    | 336.3 | 335.9 | 335.5 | 335.2 | 334.7 | 333.9 | 332.8 | 331.7 | 330.5 | 329.3 | 328.2 |
| 47.5°  | 311.9 | 311.9 | 311.9 | 312.0 | 312.0 | 311.3 | 309.9 | 308.5 | 307.1 | 305.7 | 304.5 |
| 50°    | 296.2 | 296.0 | 295.7 | 295.3 | 295.0 | 294.4 | 293.1 | 292.0 | 290.9 | 289.6 | 288.4 |
| 52.5°  | 280.2 | 279.9 | 279.7 | 279.6 | 279.4 | 278.6 | 277.4 | 276.2 | 274.8 | 273.6 | 272.6 |
| 55°    | 256.1 | 255.8 | 255.5 | 255.2 | 255.0 | 254.1 | 252.8 | 251.5 | 250.1 | 248.7 | 247.9 |
| 57.5°  | 230.8 | 230.6 | 230.5 | 230.4 | 230.2 | 229.5 | 228.4 | 227.2 | 226.1 | 225.0 | 223.9 |
| 60°    | 214.7 | 214.3 | 214.0 | 213.6 | 213.2 | 212.4 | 211.4 | 210.4 | 209.2 | 208.2 | 207.3 |
| 62.5°  | 198.0 | 197.7 | 197.4 | 197.1 | 196.8 | 196.1 | 195.3 | 194.4 | 193.4 | 192.6 | 191.5 |
| 65°    | 173.0 | 172.8 | 172.6 | 172.4 | 172.2 | 171.5 | 170.5 | 169.4 | 168.3 | 167.3 | 166.4 |
| 67.5°  | 148.6 | 148.3 | 147.8 | 147.4 | 147.0 | 146.4 | 145.6 | 144.8 | 144.0 | 143.3 | 142.5 |
| 70°    | 133.3 | 132.8 | 132.3 | 131.9 | 131.4 | 130.6 | 129.8 | 128.9 | 128.1 | 127.2 | 126.6 |
| 72.5°  | 116.6 | 116.2 | 115.9 | 115.6 | 115.3 | 114.8 | 114.2 | 113.7 | 113.1 | 112.5 | 111.9 |
| 75°    | 91.9  | 91.7  | 91.5  | 91.3  | 91.1  | 90.8  | 90.3  | 89.8  | 89.4  | 88.9  | 88.6  |
| 77.5°  | 69.2  | 69.1  | 69.0  | 68.9  | 68.9  | 68.7  | 68.4  | 68.1  | 67.9  | 67.6  | 67.4  |
| 80°    | 54.9  | 54.9  | 54.9  | 54.9  | 54.9  | 54.8  | 54.6  | 54.4  | 54.2  | 54.0  | 53.9  |
| 82.5°  | 42.3  | 42.2  | 42.0  | 41.8  | 41.8  | 41.7  | 41.6  | 41.6  | 41.5  | 41.5  | 41.3  |
| 85°    | 23.9  | 24.0  | 24.1  | 24.2  | 24.3  | 24.4  | 24.4  | 24.4  | 24.4  | 24.4  | 24.3  |
| 87.5°  | 9.6   | 10.1  | 10.6  | 10.9  | 11.4  | 11.8  | 12.1  | 12.3  | 12.6  | 13.0  | 13.2  |
| 90°    | 1.2   | 3.4   | 5.6   | 7.7   | 9.9   | 12.0  | 13.9  | 15.7  | 17.6  | 19.5  | 20.9  |
| 92.5°  | 18.8  | 17.2  | 15.7  | 14.2  | 12.7  | 12.8  | 14.5  | 16.1  | 17.8  | 19.5  | 20.9  |
| 95°    | 69.6  | 68.7  | 68.0  | 67.1  | 66.3  | 60.7  | 50.4  | 40.2  | 29.8  | 19.5  | 20.9  |
| 97.5°  | 145.2 | 146.7 | 148.2 | 149.6 | 151.1 | 141.6 | 121.2 | 100.9 | 80.4  | 60.0  | 52.4  |
| 100°   | 203.8 | 204.6 | 205.4 | 206.2 | 207.1 | 208.0 | 209.1 | 210.2 | 211.2 | 212.4 | 171.9 |
| 102.5° | 263.3 | 264.4 | 265.4 | 266.5 | 267.5 | 268.3 | 269.0 | 269.7 | 270.2 | 270.9 | 263.3 |
| 105°   | 358.8 | 359.9 | 361.0 | 362.0 | 363.2 | 363.6 | 363.6 | 363.6 | 363.6 | 363.6 | 363.6 |
| 107.5° | 457.9 | 457.9 | 457.9 | 457.9 | 457.9 | 458.2 | 458.7 | 459.2 | 459.8 | 460.3 | 460.3 |
| 110°   | 522.4 | 522.4 | 522.4 | 522.4 | 522.4 | 522.5 | 523.1 | 523.7 | 524.2 | 524.7 | 524.0 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 582.9  | 583.5  | 584.2  | 584.8  | 585.4  | 586.0  | 586.3  | 586.5  | 586.9  | 587.2  | 586.2  |
| 115°   | 673.6  | 675.0  | 676.4  | 677.7  | 679.1  | 679.9  | 680.1  | 680.4  | 680.7  | 681.0  | 679.9  |
| 117.5° | 767.6  | 767.5  | 767.5  | 767.4  | 767.4  | 767.9  | 768.9  | 770.0  | 771.0  | 772.0  | 770.6  |
| 120°   | 826.1  | 826.0  | 825.7  | 825.4  | 825.1  | 825.4  | 826.1  | 827.0  | 827.8  | 828.6  | 828.1  |
| 122.5° | 877.9  | 878.9  | 880.0  | 881.0  | 882.0  | 882.8  | 883.2  | 883.5  | 883.9  | 884.3  | 883.7  |
| 125°   | 958.0  | 959.9  | 961.8  | 963.7  | 965.5  | 966.5  | 966.5  | 966.5  | 966.5  | 966.5  | 965.4  |
| 127.5° | 1034.3 | 1035.8 | 1037.1 | 1038.4 | 1039.8 | 1040.4 | 1040.2 | 1040.1 | 1039.9 | 1039.7 | 1039.2 |
| 130°   | 1081.2 | 1082.6 | 1083.9 | 1085.3 | 1086.7 | 1087.5 | 1087.8 | 1088.0 | 1088.3 | 1088.5 | 1087.8 |
| 132.5° | 1128.1 | 1129.6 | 1131.2 | 1132.8 | 1134.3 | 1134.9 | 1134.3 | 1133.7 | 1133.1 | 1132.5 | 1132.4 |
| 135°   | 1194.8 | 1196.4 | 1198.0 | 1199.6 | 1201.3 | 1201.7 | 1201.3 | 1200.7 | 1200.1 | 1199.6 | 1199.1 |
| 137.5° | 1256.0 | 1257.4 | 1258.8 | 1260.2 | 1261.6 | 1262.1 | 1261.6 | 1261.1 | 1260.7 | 1260.2 | 1260.3 |
| 140°   | 1296.0 | 1296.6 | 1297.1 | 1297.6 | 1298.2 | 1298.4 | 1298.1 | 1297.8 | 1297.5 | 1297.2 | 1297.8 |
| 142.5° | 1332.1 | 1332.5 | 1332.8 | 1333.1 | 1333.4 | 1333.8 | 1334.2 | 1334.5 | 1334.9 | 1335.3 | 1335.4 |
| 145°   | 1385.1 | 1385.6 | 1386.2 | 1386.8 | 1387.2 | 1387.5 | 1387.5 | 1387.5 | 1387.5 | 1387.5 | 1387.8 |
| 147.5° | 1431.4 | 1431.3 | 1431.3 | 1431.2 | 1431.1 | 1431.2 | 1431.4 | 1431.8 | 1432.1 | 1432.5 | 1432.8 |
| 150°   | 1460.8 | 1460.2 | 1459.7 | 1459.2 | 1458.6 | 1458.6 | 1459.2 | 1459.7 | 1460.2 | 1460.8 | 1461.3 |
| 152.5° | 1489.0 | 1487.9 | 1486.7 | 1485.5 | 1484.3 | 1483.9 | 1484.5 | 1485.1 | 1485.6 | 1486.1 | 1486.7 |
| 155°   | 1525.4 | 1523.8 | 1522.2 | 1520.6 | 1518.9 | 1518.4 | 1518.9 | 1519.5 | 1520.0 | 1520.6 | 1521.4 |
| 157.5° | 1553.5 | 1552.6 | 1551.5 | 1550.6 | 1549.6 | 1549.2 | 1549.2 | 1549.3 | 1549.4 | 1549.4 | 1550.2 |
| 160°   | 1573.0 | 1571.4 | 1569.8 | 1568.1 | 1566.5 | 1565.8 | 1566.1 | 1566.4 | 1566.7 | 1567.0 | 1568.0 |
| 162.5° | 1588.7 | 1587.1 | 1585.4 | 1583.8 | 1582.2 | 1581.5 | 1581.8 | 1582.1 | 1582.2 | 1582.5 | 1584.0 |
| 165°   | 1609.7 | 1608.0 | 1606.4 | 1604.8 | 1603.2 | 1602.4 | 1602.7 | 1603.0 | 1603.3 | 1603.5 | 1605.1 |
| 167.5° | 1625.2 | 1623.6 | 1621.9 | 1620.2 | 1618.5 | 1617.9 | 1618.1 | 1618.3 | 1618.6 | 1618.9 | 1620.9 |
| 170°   | 1634.1 | 1632.2 | 1630.2 | 1628.3 | 1626.5 | 1625.6 | 1625.9 | 1626.2 | 1626.5 | 1626.7 | 1628.9 |
| 172.5° | 1639.9 | 1638.0 | 1636.2 | 1634.2 | 1632.3 | 1631.6 | 1632.1 | 1632.6 | 1633.0 | 1633.5 | 1635.5 |
| 175°   | 1646.2 | 1644.6 | 1643.0 | 1641.3 | 1639.7 | 1639.1 | 1639.4 | 1639.6 | 1639.9 | 1640.1 | 1642.3 |
| 177.5° | 1649.2 | 1647.8 | 1646.6 | 1645.3 | 1644.0 | 1643.4 | 1643.7 | 1643.9 | 1644.1 | 1644.3 | 1645.9 |
| 180°   | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 |
| 2.5°   | 549.0 | 549.8 | 550.5 | 550.9 | 550.8 | 550.7 | 550.7 | 550.6 |
| 5°     | 546.2 | 547.1 | 548.0 | 548.4 | 548.3 | 548.2 | 548.1 | 548.0 |
| 7.5°   | 540.7 | 541.6 | 542.4 | 542.8 | 542.7 | 542.6 | 542.5 | 542.4 |
| 10°    | 536.0 | 536.8 | 537.6 | 537.9 | 537.8 | 537.7 | 537.6 | 537.5 |
| 12.5°  | 529.8 | 530.5 | 531.0 | 531.3 | 531.3 | 531.3 | 531.3 | 531.2 |
| 15°    | 518.9 | 519.3 | 519.9 | 520.1 | 520.1 | 520.1 | 520.1 | 520.1 |
| 17.5°  | 506.2 | 506.8 | 507.5 | 507.5 | 507.0 | 506.5 | 506.1 | 505.6 |
| 20°    | 496.6 | 497.3 | 497.9 | 498.1 | 497.6 | 497.1 | 496.6 | 496.2 |
| 22.5°  | 485.7 | 486.2 | 486.6 | 486.6 | 486.4 | 486.0 | 485.7 | 485.3 |
| 25°    | 468.3 | 468.4 | 468.6 | 468.5 | 468.3 | 468.0 | 467.7 | 467.4 |
| 27.5°  | 449.9 | 449.9 | 450.0 | 449.9 | 449.5 | 449.2 | 448.9 | 448.7 |
| 30°    | 436.5 | 436.3 | 436.1 | 435.9 | 435.6 | 435.4 | 435.0 | 434.7 |
| 32.5°  | 423.0 | 422.6 | 422.3 | 421.9 | 421.3 | 420.8 | 420.3 | 419.7 |
| 35°    | 402.0 | 401.5 | 401.0 | 400.4 | 399.6 | 398.8 | 398.0 | 397.3 |
| 37.5°  | 379.9 | 379.2 | 378.4 | 377.9 | 377.4 | 377.0 | 376.5 | 376.1 |
| 40°    | 364.6 | 363.7 | 362.9 | 362.3 | 362.0 | 361.7 | 361.4 | 361.1 |
| 42.5°  | 349.4 | 348.6 | 347.8 | 347.2 | 346.8 | 346.3 | 345.9 | 345.4 |
| 45°    | 327.0 | 325.8 | 324.7 | 324.0 | 323.7 | 323.4 | 323.1 | 322.8 |
| 47.5°  | 303.3 | 302.2 | 301.0 | 300.0 | 299.4 | 298.7 | 298.0 | 297.4 |
| 50°    | 287.2 | 285.9 | 284.6 | 283.7 | 283.0 | 282.3 | 281.6 | 281.0 |
| 52.5°  | 271.5 | 270.3 | 269.2 | 268.3 | 267.6 | 266.8 | 266.1 | 265.3 |
| 55°    | 246.9 | 246.1 | 245.2 | 244.5 | 243.8 | 243.1 | 242.4 | 241.8 |
| 57.5°  | 222.7 | 221.6 | 220.5 | 219.7 | 219.3 | 219.0 | 218.6 | 218.2 |
| 60°    | 206.3 | 205.3 | 204.3 | 203.5 | 202.8 | 202.2 | 201.5 | 200.9 |
| 62.5°  | 190.5 | 189.4 | 188.3 | 187.6 | 187.1 | 186.5 | 186.0 | 185.5 |
| 65°    | 165.5 | 164.7 | 163.8 | 163.2 | 162.8 | 162.4 | 162.0 | 161.6 |
| 67.5°  | 141.8 | 141.0 | 140.3 | 139.8 | 139.6 | 139.3 | 139.1 | 138.8 |
| 70°    | 126.0 | 125.5 | 124.9 | 124.4 | 124.0 | 123.7 | 123.2 | 122.8 |
| 72.5°  | 111.2 | 110.6 | 109.9 | 109.4 | 109.1 | 108.7 | 108.2 | 107.8 |
| 75°    | 88.3  | 88.0  | 87.7  | 87.4  | 87.0  | 86.6  | 86.2  | 85.8  |
| 77.5°  | 67.3  | 67.1  | 66.9  | 66.7  | 66.4  | 66.2  | 65.9  | 65.6  |
| 80°    | 53.8  | 53.7  | 53.6  | 53.4  | 53.3  | 53.1  | 52.9  | 52.7  |
| 82.5°  | 41.1  | 40.9  | 40.8  | 40.6  | 40.6  | 40.6  | 40.5  | 40.5  |
| 85°    | 24.2  | 24.1  | 24.0  | 23.8  | 23.7  | 23.5  | 23.3  | 23.1  |
| 87.5°  | 13.5  | 13.8  | 14.0  | 14.2  | 14.2  | 14.2  | 14.2  | 14.2  |
| 90°    | 22.2  | 23.6  | 25.0  | 26.0  | 26.9  | 27.6  | 28.5  | 29.3  |
| 92.5°  | 22.2  | 23.6  | 25.0  | 25.8  | 26.2  | 26.6  | 27.0  | 27.3  |
| 95°    | 22.2  | 23.6  | 25.0  | 25.6  | 25.6  | 25.6  | 25.6  | 25.6  |
| 97.5°  | 44.8  | 37.1  | 29.4  | 25.6  | 25.6  | 25.6  | 25.6  | 25.6  |
| 100°   | 131.5 | 91.1  | 50.7  | 30.0  | 28.8  | 27.8  | 26.7  | 25.6  |
| 102.5° | 255.6 | 248.0 | 240.3 | 227.2 | 208.9 | 190.4 | 171.9 | 153.5 |
| 105°   | 363.6 | 363.6 | 363.6 | 363.5 | 363.3 | 363.0 | 362.7 | 362.4 |
| 107.5° | 460.4 | 460.5 | 460.5 | 460.1 | 459.3 | 458.5 | 457.7 | 456.9 |
| 110°   | 523.1 | 522.4 | 521.5 | 521.2 | 521.5 | 521.8 | 522.1 | 522.4 |





TEST NUMBER: P333362-830

CATALOG NUMBER: S125DIW-S375D1340U830-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 585.1  | 584.2  | 583.2  | 582.4  | 582.0  | 581.6  | 581.3  | 580.9  |
| 115°   | 678.8  | 677.7  | 676.7  | 675.2  | 673.6  | 672.0  | 670.3  | 668.7  |
| 117.5° | 769.2  | 767.8  | 766.4  | 765.3  | 764.6  | 763.9  | 763.2  | 762.5  |
| 120°   | 827.6  | 827.0  | 826.4  | 825.5  | 824.2  | 822.7  | 821.4  | 820.1  |
| 122.5° | 883.2  | 882.6  | 882.1  | 881.0  | 879.5  | 877.9  | 876.3  | 874.8  |
| 125°   | 964.3  | 963.3  | 962.1  | 961.2  | 960.5  | 959.6  | 958.8  | 958.0  |
| 127.5° | 1038.6 | 1037.9 | 1037.4 | 1036.0 | 1034.1 | 1032.1 | 1030.0 | 1028.0 |
| 130°   | 1086.9 | 1086.1 | 1085.3 | 1084.2 | 1082.9 | 1081.5 | 1080.2 | 1078.8 |
| 132.5° | 1132.2 | 1132.0 | 1131.8 | 1131.1 | 1129.7 | 1128.4 | 1127.0 | 1125.7 |
| 135°   | 1198.5 | 1198.0 | 1197.4 | 1196.4 | 1194.8 | 1193.1 | 1191.5 | 1189.9 |
| 137.5° | 1260.4 | 1260.5 | 1260.6 | 1259.9 | 1258.5 | 1257.1 | 1255.7 | 1254.2 |
| 140°   | 1298.4 | 1298.8 | 1299.4 | 1298.8 | 1297.2 | 1295.6 | 1294.0 | 1292.3 |
| 142.5° | 1335.5 | 1335.7 | 1335.8 | 1335.0 | 1333.3 | 1331.7 | 1330.1 | 1328.5 |
| 145°   | 1388.1 | 1388.4 | 1388.6 | 1388.0 | 1386.3 | 1384.7 | 1383.1 | 1381.5 |
| 147.5° | 1433.1 | 1433.4 | 1433.8 | 1432.9 | 1431.0 | 1429.0 | 1427.1 | 1425.1 |
| 150°   | 1461.9 | 1462.4 | 1462.9 | 1462.1 | 1459.9 | 1457.7 | 1455.6 | 1453.4 |
| 152.5° | 1487.2 | 1487.8 | 1488.3 | 1487.6 | 1485.6 | 1483.8 | 1481.8 | 1479.8 |
| 155°   | 1522.2 | 1523.0 | 1523.8 | 1523.1 | 1521.0 | 1518.8 | 1516.6 | 1514.5 |
| 157.5° | 1551.1 | 1552.0 | 1552.8 | 1552.2 | 1550.0 | 1547.8 | 1545.7 | 1543.5 |
| 160°   | 1569.1 | 1570.2 | 1571.3 | 1570.7 | 1568.6 | 1566.4 | 1564.2 | 1562.1 |
| 162.5° | 1585.5 | 1587.1 | 1588.7 | 1588.2 | 1585.8 | 1583.4 | 1581.0 | 1578.7 |
| 165°   | 1606.8 | 1608.4 | 1610.1 | 1609.8 | 1607.6 | 1605.4 | 1603.3 | 1601.1 |
| 167.5° | 1622.9 | 1624.8 | 1626.7 | 1626.5 | 1624.0 | 1621.6 | 1619.2 | 1616.7 |
| 170°   | 1631.1 | 1633.2 | 1635.4 | 1635.3 | 1632.9 | 1630.4 | 1628.0 | 1625.5 |
| 172.5° | 1637.5 | 1639.5 | 1641.3 | 1641.2 | 1638.7 | 1636.3 | 1633.8 | 1631.4 |
| 175°   | 1644.5 | 1646.6 | 1648.8 | 1648.7 | 1646.2 | 1643.8 | 1641.3 | 1638.9 |
| 177.5° | 1647.4 | 1648.9 | 1650.4 | 1650.3 | 1648.5 | 1646.8 | 1645.0 | 1643.3 |
| 180°   | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 |

(END OF REPORT)