

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: P333360-840

Luminaire Tested: **S125DIW-S375D1340U840-4F0-1E-UDD-D**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333360-840  
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-S375D1340U840-4F0-1E-UDD-D  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER  
UPLIGHT 1340 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6894.6 lumens  
Efficiency: N/A  
Efficacy: 148.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.34  
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.08')  
CIE Type: Semi-Indirect

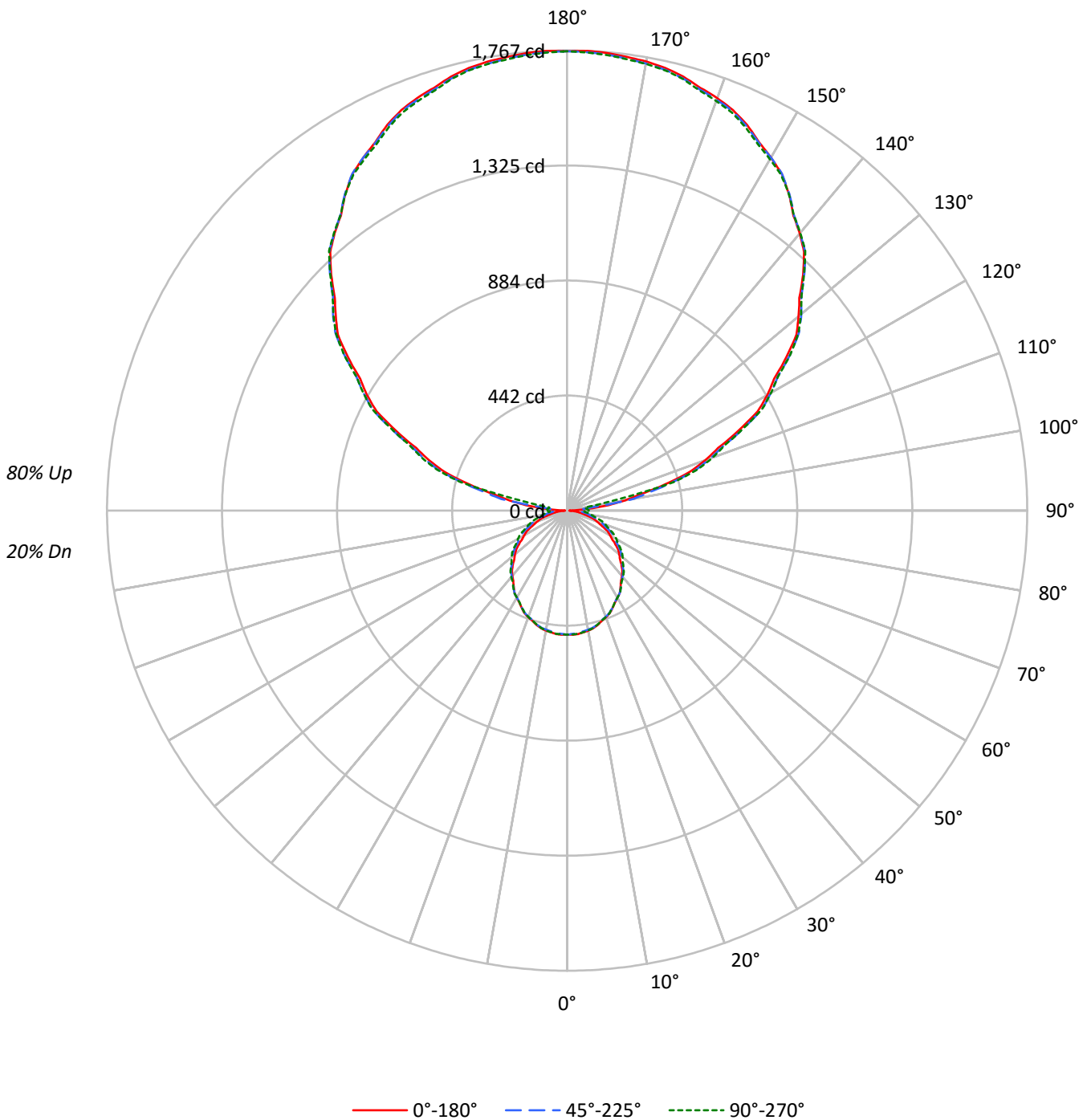
Input Watts (W): 46.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333360-840

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### Luminous Intensity Polar Plot





TEST NUMBER: P333360-840

CATALOG NUMBER: S125DIW-S375D1340U840-4F0-1E-UDD-D

**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 | 50 | 30 | 10 | 0  |   |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| 0   | 100 | 100 | 100 | 100 | 88 | 88 | 88 | 88 | 67 | 67 | 67 | 47 | 47 | 47 | 29 | 29 | 29 | 20 |    |    |    |   |
| 1   | 91  | 87  | 83  | 79  | 80 | 77 | 73 | 71 | 58 | 56 | 54 | 41 | 39 | 38 | 25 | 24 | 24 | 16 |    |    |    |   |
| 2   | 82  | 75  | 69  | 64  | 73 | 67 | 62 | 58 | 50 | 47 | 44 | 35 | 33 | 32 | 22 | 21 | 20 | 13 |    |    |    |   |
| 3   | 75  | 66  | 59  | 53  | 66 | 58 | 53 | 48 | 44 | 40 | 37 | 31 | 29 | 27 | 19 | 18 | 16 | 11 |    |    |    |   |
| 4   | 69  | 58  | 51  | 45  | 60 | 52 | 45 | 40 | 39 | 35 | 31 | 28 | 25 | 23 | 17 | 15 | 14 | 10 |    |    |    |   |
| 5   | 63  | 52  | 44  | 38  | 55 | 46 | 39 | 34 | 35 | 30 | 27 | 25 | 22 | 19 | 15 | 14 | 12 | 8  |    |    |    |   |
| 6   | 58  | 46  | 38  | 33  | 51 | 41 | 34 | 29 | 31 | 27 | 23 | 22 | 19 | 17 | 14 | 12 | 11 | 7  |    |    |    |   |
| 7   | 53  | 41  | 34  | 28  | 47 | 37 | 30 | 26 | 28 | 24 | 20 | 20 | 17 | 15 | 12 | 11 | 9  | 6  |    |    |    |   |
| 8   | 49  | 37  | 30  | 25  | 43 | 33 | 27 | 22 | 26 | 21 | 18 | 18 | 15 | 13 | 11 | 10 | 8  | 6  |    |    |    |   |
| 9   | 46  | 34  | 27  | 22  | 40 | 30 | 24 | 20 | 23 | 19 | 16 | 17 | 14 | 12 | 10 | 9  | 7  | 5  |    |    |    |   |
| 10  | 42  | 31  | 24  | 19  | 37 | 28 | 22 | 18 | 21 | 17 | 14 | 15 | 12 | 10 | 10 | 8  | 7  | 5  |    |    |    |   |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3075 | 3075 | 3075 |
| 5°  | 3081 | 3017 | 3027 |
| 10° | 3059 | 2963 | 2960 |
| 15° | 3022 | 2899 | 2873 |
| 20° | 2974 | 2819 | 2786 |
| 25° | 2915 | 2734 | 2680 |
| 30° | 2844 | 2641 | 2584 |
| 35° | 2778 | 2554 | 2494 |
| 40° | 2711 | 2463 | 2406 |
| 45° | 2635 | 2385 | 2327 |
| 50° | 2563 | 2302 | 2256 |
| 55° | 2474 | 2222 | 2175 |
| 60° | 2380 | 2130 | 2090 |
| 65° | 2281 | 2035 | 1997 |
| 70° | 2168 | 1905 | 1900 |
| 75° | 1987 | 1780 | 1780 |
| 80° | 1753 | 1629 | 1650 |
| 85° | 1538 | 1527 | 1610 |



TEST NUMBER: P333360-840

CATALOG NUMBER: S125DIW-S375D1340U840-4F0-1E-UDD-D

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 45.0   | 0.7       |
| 10°-20°   | 127.8  | 1.9       |
| 20°-30°   | 190.0  | 2.8       |
| 30°-40°   | 225.1  | 3.3       |
| 40°-50°   | 232.7  | 3.4       |
| 50°-60°   | 214.4  | 3.1       |
| 60°-70°   | 173.3  | 2.5       |
| 70°-80°   | 116.1  | 1.7       |
| 80°-90°   | 63.9   | 0.9       |
| 90°-100°  | 97.9   | 1.4       |
| 100°-110° | 419.9  | 6.1       |
| 110°-120° | 733.2  | 10.6      |
| 120°-130° | 929.0  | 13.5      |
| 130°-140° | 993.1  | 14.4      |
| 140°-150° | 929.1  | 13.5      |
| 150°-160° | 750.9  | 10.9      |
| 160°-170° | 485.7  | 7.0       |
| 170°-180° | 167.5  | 2.4       |
| 0°-30°    | 362.8  | 5.3       |
| 0°-40°    | 587.9  | 8.5       |
| 0°-60°    | 1035.1 | 15.0      |
| 0°-90°    | 1388.3 | 20.1      |
| 90°-120°  | 1251.0 | 18.1      |
| 90°-150°  | 4102.2 | 59.5      |
| 90°-180°  | 5506.0 | 79.9      |
| 0°-180°   | 6894.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 476  | 476   | 476  | 476   | 476  |      |
| 5°   | 476  | 475   | 472  | 475   | 475  | 45   |
| 15°  | 454  | 455   | 452  | 454   | 453  | 128  |
| 25°  | 413  | 414   | 412  | 413   | 411  | 190  |
| 35°  | 358  | 360   | 359  | 361   | 361  | 224  |
| 45°  | 294  | 299   | 302  | 305   | 306  | 227  |
| 55°  | 226  | 234   | 241  | 246   | 248  | 202  |
| 65°  | 156  | 167   | 178  | 184   | 187  | 155  |
| 75°  | 86   | 98    | 113  | 122   | 125  | 91   |
| 85°  | 26   | 41    | 57   | 67    | 71   | 27   |
| 90°  | 9    | 34    | 59   | 76    | 84   | 8    |
| 95°  | 81   | 86    | 55   | 71    | 75   | 100  |
| 105° | 389  | 401   | 415  | 424   | 427  | 412  |
| 115° | 725  | 735   | 748  | 750   | 746  | 718  |
| 125° | 1028 | 1037  | 1046 | 1048  | 1047 | 918  |
| 135° | 1281 | 1288  | 1289 | 1292  | 1287 | 987  |
| 145° | 1484 | 1486  | 1487 | 1490  | 1484 | 928  |
| 155° | 1634 | 1627  | 1629 | 1632  | 1623 | 753  |
| 165° | 1725 | 1717  | 1718 | 1725  | 1716 | 487  |
| 175° | 1764 | 1757  | 1757 | 1767  | 1756 | 168  |
| 180° | 1764 | 1764  | 1764 | 1764  | 1764 |      |



TEST NUMBER: P333360-840

CATALOG NUMBER: S125DIW-S375D1340U840-4F0-1E-UDD-D

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 |
| 2.5°   | 477.2 | 477.0 | 476.9 | 476.7 | 476.6 | 476.2 | 475.5 | 474.9 | 474.4 | 473.8 | 474.4 |
| 5°     | 476.1 | 475.8 | 475.6 | 475.4 | 475.2 | 474.7 | 474.0 | 473.3 | 472.6 | 471.8 | 472.7 |
| 7.5°   | 471.8 | 471.8 | 471.7 | 471.6 | 471.5 | 471.1 | 470.4 | 469.6 | 468.9 | 468.1 | 468.9 |
| 10°    | 468.1 | 468.1 | 468.1 | 468.1 | 468.1 | 467.7 | 466.9 | 466.1 | 465.2 | 464.3 | 465.1 |
| 12.5°  | 462.9 | 463.0 | 463.0 | 463.1 | 463.2 | 462.9 | 462.3 | 461.6 | 460.9 | 460.3 | 460.8 |
| 15°    | 454.5 | 454.6 | 454.7 | 454.9 | 455.0 | 454.6 | 453.9 | 453.2 | 452.5 | 451.8 | 452.4 |
| 17.5°  | 443.7 | 443.9 | 444.1 | 444.3 | 444.5 | 444.3 | 443.6 | 442.8 | 442.1 | 441.4 | 441.9 |
| 20°    | 436.0 | 436.2 | 436.4 | 436.6 | 436.8 | 436.5 | 435.8 | 435.0 | 434.3 | 433.5 | 433.9 |
| 22.5°  | 427.0 | 427.4 | 427.7 | 428.1 | 428.5 | 428.2 | 427.4 | 426.6 | 425.8 | 425.0 | 425.4 |
| 25°    | 413.0 | 413.3 | 413.6 | 413.9 | 414.2 | 414.1 | 413.5 | 412.9 | 412.2 | 411.6 | 412.0 |
| 27.5°  | 397.6 | 398.0 | 398.5 | 398.9 | 399.4 | 399.3 | 398.6 | 397.9 | 397.2 | 396.5 | 396.7 |
| 30°    | 386.0 | 386.6 | 387.2 | 387.9 | 388.5 | 388.5 | 387.9 | 387.2 | 386.6 | 386.0 | 386.2 |
| 32.5°  | 375.6 | 376.1 | 376.6 | 377.2 | 377.7 | 377.7 | 377.3 | 376.8 | 376.4 | 375.9 | 376.1 |
| 35°    | 357.5 | 358.2 | 359.0 | 359.7 | 360.4 | 360.6 | 360.3 | 360.0 | 359.7 | 359.4 | 359.7 |
| 37.5°  | 339.5 | 340.1 | 340.8 | 341.4 | 342.1 | 342.4 | 342.3 | 342.2 | 342.1 | 342.0 | 342.4 |
| 40°    | 327.2 | 328.0 | 328.8 | 329.6 | 330.5 | 330.8 | 330.7 | 330.6 | 330.5 | 330.4 | 330.8 |
| 42.5°  | 313.8 | 314.8 | 315.9 | 317.0 | 318.0 | 318.7 | 318.9 | 319.1 | 319.4 | 319.6 | 320.1 |
| 45°    | 294.5 | 295.7 | 296.8 | 297.9 | 299.0 | 299.9 | 300.4 | 300.9 | 301.4 | 301.9 | 302.7 |
| 47.5°  | 274.8 | 275.9 | 276.9 | 278.0 | 279.0 | 280.0 | 280.9 | 281.8 | 282.7 | 283.6 | 284.7 |
| 50°    | 261.4 | 262.5 | 263.7 | 264.8 | 265.9 | 267.1 | 268.2 | 269.3 | 270.4 | 271.7 | 272.8 |
| 52.5°  | 247.2 | 248.5 | 249.9 | 251.4 | 252.8 | 254.1 | 255.5 | 256.9 | 258.3 | 259.6 | 260.9 |
| 55°    | 226.3 | 228.0 | 229.6 | 231.4 | 233.0 | 234.7 | 236.3 | 237.9 | 239.6 | 241.3 | 242.5 |
| 57.5°  | 205.1 | 207.0 | 209.0 | 211.1 | 213.1 | 215.0 | 216.9 | 218.8 | 220.8 | 222.6 | 223.9 |
| 60°    | 190.9 | 193.0 | 195.0 | 197.1 | 199.1 | 201.3 | 203.3 | 205.4 | 207.5 | 209.5 | 211.1 |
| 62.5°  | 177.0 | 179.2 | 181.3 | 183.3 | 185.4 | 187.5 | 189.8 | 192.0 | 194.3 | 196.5 | 198.2 |
| 65°    | 155.9 | 158.2 | 160.7 | 163.0 | 165.4 | 167.8 | 170.4 | 172.9 | 175.3 | 177.8 | 179.4 |
| 67.5°  | 135.9 | 138.3 | 140.5 | 142.8 | 145.1 | 147.5 | 150.1 | 152.6 | 155.1 | 157.6 | 159.6 |
| 70°    | 121.4 | 123.7 | 126.1 | 128.5 | 130.9 | 133.4 | 136.1 | 138.9 | 141.5 | 144.2 | 146.2 |
| 72.5°  | 107.1 | 109.7 | 112.1 | 114.5 | 117.0 | 119.8 | 122.7 | 125.6 | 128.6 | 131.5 | 133.7 |
| 75°    | 85.8  | 88.6  | 91.3  | 93.9  | 96.6  | 99.7  | 103.0 | 106.3 | 109.7 | 112.9 | 115.0 |
| 77.5°  | 65.4  | 68.6  | 71.7  | 74.7  | 77.9  | 81.0  | 84.2  | 87.5  | 90.6  | 93.8  | 96.1  |
| 80°    | 52.7  | 55.8  | 59.0  | 62.1  | 65.1  | 68.5  | 72.0  | 75.5  | 79.1  | 82.6  | 84.9  |
| 82.5°  | 41.2  | 44.4  | 47.8  | 51.0  | 54.2  | 57.8  | 61.3  | 64.9  | 68.6  | 72.1  | 74.3  |
| 85°    | 25.7  | 29.1  | 32.5  | 36.0  | 39.4  | 42.9  | 46.6  | 50.2  | 53.8  | 57.4  | 59.7  |
| 87.5°  | 14.8  | 18.6  | 22.4  | 26.2  | 30.0  | 33.8  | 37.8  | 41.7  | 45.6  | 49.6  | 52.2  |
| 90°    | 8.8   | 14.4  | 20.1  | 25.8  | 31.3  | 37.0  | 42.5  | 48.1  | 53.6  | 59.2  | 63.0  |
| 92.5°  | 26.9  | 28.3  | 29.8  | 31.2  | 32.6  | 36.1  | 41.5  | 46.9  | 52.3  | 57.7  | 61.5  |
| 95°    | 80.6  | 82.4  | 84.2  | 86.0  | 87.9  | 85.0  | 77.6  | 70.0  | 62.5  | 55.0  | 58.8  |
| 97.5°  | 161.1 | 165.1 | 169.1 | 173.1 | 177.1 | 169.9 | 151.4 | 133.0 | 114.5 | 96.0  | 90.1  |
| 100°   | 223.5 | 226.5 | 229.5 | 232.7 | 235.7 | 239.4 | 244.0 | 248.4 | 252.9 | 257.4 | 216.3 |
| 102.5° | 286.9 | 290.0 | 293.2 | 296.3 | 299.4 | 303.0 | 306.8 | 310.7 | 314.7 | 318.6 | 312.6 |
| 105°   | 388.6 | 391.4 | 394.3 | 397.1 | 399.9 | 402.8 | 406.0 | 409.1 | 412.2 | 415.4 | 417.4 |
| 107.5° | 494.2 | 495.6 | 497.1 | 498.5 | 499.9 | 502.3 | 505.9 | 509.5 | 513.0 | 516.6 | 518.8 |
| 110°   | 562.9 | 564.1 | 565.4 | 566.6 | 567.8 | 570.3 | 573.7 | 577.2 | 580.7 | 584.2 | 585.3 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 627.7  | 629.4  | 631.2  | 632.8  | 634.5  | 636.9  | 640.2  | 643.3  | 646.4  | 649.6  | 650.5  |
| 115°   | 724.6  | 726.7  | 728.9  | 731.0  | 733.3  | 735.9  | 738.8  | 741.8  | 744.8  | 747.8  | 748.5  |
| 117.5° | 824.8  | 825.2  | 825.6  | 826.1  | 826.5  | 828.5  | 832.1  | 835.8  | 839.4  | 843.1  | 843.3  |
| 120°   | 887.6  | 887.6  | 887.6  | 887.6  | 887.6  | 889.3  | 892.5  | 895.8  | 899.0  | 902.3  | 903.4  |
| 122.5° | 942.6  | 943.8  | 945.1  | 946.3  | 947.6  | 949.6  | 952.3  | 955.0  | 957.7  | 960.4  | 961.5  |
| 125°   | 1028.2 | 1030.2 | 1032.1 | 1034.1 | 1036.0 | 1038.0 | 1040.1 | 1042.2 | 1044.2 | 1046.3 | 1046.8 |
| 127.5° | 1109.6 | 1111.0 | 1112.4 | 1113.7 | 1115.1 | 1116.5 | 1118.0 | 1119.5 | 1121.1 | 1122.6 | 1123.5 |
| 130°   | 1159.8 | 1161.2 | 1162.6 | 1163.9 | 1165.3 | 1166.8 | 1168.5 | 1170.3 | 1172.0 | 1173.8 | 1174.4 |
| 132.5° | 1209.7 | 1211.3 | 1213.0 | 1214.7 | 1216.4 | 1217.4 | 1217.9 | 1218.4 | 1218.9 | 1219.3 | 1220.6 |
| 135°   | 1281.0 | 1282.6 | 1284.2 | 1286.0 | 1287.6 | 1288.5 | 1288.6 | 1288.7 | 1288.9 | 1289.0 | 1289.8 |
| 137.5° | 1346.6 | 1348.0 | 1349.4 | 1350.8 | 1352.2 | 1352.9 | 1352.7 | 1352.5 | 1352.4 | 1352.2 | 1353.5 |
| 140°   | 1389.1 | 1389.7 | 1390.2 | 1390.8 | 1391.4 | 1391.6 | 1391.4 | 1391.2 | 1391.0 | 1390.8 | 1392.5 |
| 142.5° | 1427.7 | 1428.1 | 1428.3 | 1428.6 | 1428.9 | 1429.2 | 1429.6 | 1430.0 | 1430.5 | 1430.9 | 1432.0 |
| 145°   | 1484.5 | 1485.0 | 1485.4 | 1485.9 | 1486.4 | 1486.6 | 1486.6 | 1486.6 | 1486.6 | 1486.6 | 1487.4 |
| 147.5° | 1533.7 | 1533.6 | 1533.5 | 1533.4 | 1533.3 | 1533.4 | 1533.7 | 1534.1 | 1534.4 | 1534.8 | 1535.3 |
| 150°   | 1565.1 | 1564.5 | 1564.0 | 1563.4 | 1562.8 | 1562.8 | 1563.4 | 1564.0 | 1564.5 | 1565.1 | 1565.7 |
| 152.5° | 1595.4 | 1594.2 | 1592.9 | 1591.6 | 1590.3 | 1589.9 | 1590.5 | 1591.1 | 1591.7 | 1592.3 | 1592.9 |
| 155°   | 1634.4 | 1632.6 | 1630.9 | 1629.2 | 1627.4 | 1626.9 | 1627.4 | 1628.0 | 1628.6 | 1629.2 | 1630.0 |
| 157.5° | 1664.5 | 1663.4 | 1662.3 | 1661.3 | 1660.3 | 1659.8 | 1659.8 | 1659.9 | 1660.0 | 1660.0 | 1660.9 |
| 160°   | 1685.4 | 1683.6 | 1681.9 | 1680.1 | 1678.4 | 1677.7 | 1678.0 | 1678.3 | 1678.6 | 1678.9 | 1680.0 |
| 162.5° | 1702.1 | 1700.4 | 1698.6 | 1696.9 | 1695.2 | 1694.5 | 1694.8 | 1695.1 | 1695.3 | 1695.6 | 1697.2 |
| 165°   | 1724.6 | 1722.8 | 1721.1 | 1719.4 | 1717.7 | 1716.9 | 1717.2 | 1717.5 | 1717.8 | 1718.1 | 1719.8 |
| 167.5° | 1741.3 | 1739.6 | 1737.8 | 1736.0 | 1734.1 | 1733.4 | 1733.6 | 1733.9 | 1734.2 | 1734.5 | 1736.7 |
| 170°   | 1750.8 | 1748.8 | 1746.7 | 1744.6 | 1742.6 | 1741.7 | 1742.0 | 1742.3 | 1742.6 | 1742.9 | 1745.2 |
| 172.5° | 1757.1 | 1755.0 | 1753.0 | 1750.9 | 1748.9 | 1748.2 | 1748.7 | 1749.2 | 1749.7 | 1750.2 | 1752.3 |
| 175°   | 1763.8 | 1762.1 | 1760.4 | 1758.6 | 1756.9 | 1756.2 | 1756.5 | 1756.8 | 1757.1 | 1757.3 | 1759.6 |
| 177.5° | 1767.0 | 1765.5 | 1764.2 | 1762.8 | 1761.4 | 1760.8 | 1761.1 | 1761.3 | 1761.5 | 1761.7 | 1763.4 |
| 180°   | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 |
| 2.5°   | 474.9 | 475.5 | 476.2 | 476.4 | 476.3 | 476.3 | 476.2 | 476.1 |
| 5°     | 473.5 | 474.3 | 475.1 | 475.5 | 475.4 | 475.3 | 475.2 | 475.1 |
| 7.5°   | 469.6 | 470.3 | 471.0 | 471.3 | 471.2 | 471.1 | 471.0 | 470.9 |
| 10°    | 465.9 | 466.6 | 467.3 | 467.6 | 467.5 | 467.4 | 467.3 | 467.2 |
| 12.5°  | 461.4 | 461.9 | 462.5 | 462.6 | 462.4 | 462.1 | 461.8 | 461.6 |
| 15°    | 453.0 | 453.6 | 454.2 | 454.3 | 453.9 | 453.5 | 453.1 | 452.7 |
| 17.5°  | 442.4 | 442.8 | 443.3 | 443.4 | 443.2 | 442.9 | 442.7 | 442.4 |
| 20°    | 434.2 | 434.5 | 434.8 | 434.9 | 434.9 | 434.9 | 434.9 | 434.9 |
| 22.5°  | 425.8 | 426.2 | 426.6 | 426.7 | 426.4 | 426.2 | 425.9 | 425.7 |
| 25°    | 412.4 | 412.9 | 413.3 | 413.2 | 412.7 | 412.2 | 411.7 | 411.2 |
| 27.5°  | 397.0 | 397.3 | 397.6 | 397.7 | 397.5 | 397.3 | 397.1 | 396.9 |
| 30°    | 386.4 | 386.6 | 386.8 | 386.9 | 386.8 | 386.7 | 386.6 | 386.5 |
| 32.5°  | 376.3 | 376.5 | 376.7 | 376.8 | 376.7 | 376.6 | 376.5 | 376.4 |
| 35°    | 360.0 | 360.3 | 360.6 | 360.7 | 360.7 | 360.7 | 360.7 | 360.7 |
| 37.5°  | 342.8 | 343.3 | 343.7 | 343.9 | 343.9 | 343.8 | 343.8 | 343.7 |
| 40°    | 331.2 | 331.6 | 332.1 | 332.4 | 332.6 | 332.9 | 333.1 | 333.3 |
| 42.5°  | 320.6 | 321.1 | 321.6 | 321.8 | 321.9 | 321.9 | 321.9 | 322.0 |
| 45°    | 303.5 | 304.2 | 304.9 | 305.3 | 305.4 | 305.5 | 305.6 | 305.7 |
| 47.5°  | 285.7 | 286.8 | 287.8 | 288.4 | 288.7 | 288.9 | 289.1 | 289.3 |
| 50°    | 273.9 | 275.1 | 276.2 | 276.9 | 277.2 | 277.5 | 277.8 | 278.1 |
| 52.5°  | 262.2 | 263.4 | 264.6 | 265.3 | 265.5 | 265.8 | 266.0 | 266.2 |
| 55°    | 243.6 | 244.7 | 245.9 | 246.6 | 247.0 | 247.4 | 247.9 | 248.3 |
| 57.5°  | 225.2 | 226.5 | 227.8 | 228.6 | 228.9 | 229.2 | 229.6 | 229.9 |
| 60°    | 212.7 | 214.2 | 215.8 | 216.7 | 217.0 | 217.3 | 217.6 | 217.9 |
| 62.5°  | 200.0 | 201.7 | 203.4 | 204.4 | 204.8 | 205.2 | 205.6 | 206.0 |
| 65°    | 181.0 | 182.5 | 184.0 | 185.0 | 185.4 | 185.8 | 186.3 | 186.7 |
| 67.5°  | 161.5 | 163.3 | 165.2 | 166.4 | 166.9 | 167.5 | 168.0 | 168.5 |
| 70°    | 148.1 | 150.2 | 152.1 | 153.4 | 154.0 | 154.6 | 155.2 | 155.9 |
| 72.5°  | 135.8 | 137.9 | 140.1 | 141.4 | 141.8 | 142.3 | 142.7 | 143.2 |
| 75°    | 117.1 | 119.2 | 121.3 | 122.5 | 123.1 | 123.6 | 124.1 | 124.6 |
| 77.5°  | 98.4  | 100.7 | 102.9 | 104.3 | 104.7 | 105.1 | 105.5 | 105.9 |
| 80°    | 87.2  | 89.5  | 91.7  | 93.1  | 93.5  | 93.9  | 94.3  | 94.7  |
| 82.5°  | 76.5  | 78.8  | 81.0  | 82.4  | 83.2  | 83.9  | 84.6  | 85.4  |
| 85°    | 62.0  | 64.2  | 66.6  | 68.1  | 68.9  | 69.8  | 70.6  | 71.4  |
| 87.5°  | 54.9  | 57.6  | 60.3  | 62.0  | 62.9  | 63.8  | 64.7  | 65.6  |
| 90°    | 66.9  | 70.7  | 74.5  | 77.3  | 78.9  | 80.5  | 82.1  | 83.6  |
| 92.5°  | 65.2  | 69.0  | 72.7  | 75.1  | 76.3  | 77.5  | 78.6  | 79.7  |
| 95°    | 62.4  | 66.1  | 69.9  | 72.2  | 72.9  | 73.6  | 74.3  | 75.0  |
| 97.5°  | 84.0  | 78.1  | 72.0  | 69.4  | 70.1  | 70.8  | 71.5  | 72.2  |
| 100°   | 175.1 | 134.0 | 92.9  | 72.1  | 71.6  | 71.0  | 70.5  | 69.9  |
| 102.5° | 306.5 | 300.3 | 294.3 | 281.7 | 262.5 | 243.4 | 224.2 | 205.1 |
| 105°   | 419.5 | 421.5 | 423.6 | 424.9 | 425.3 | 425.8 | 426.2 | 426.6 |
| 107.5° | 520.9 | 523.0 | 525.0 | 526.0 | 525.7 | 525.5 | 525.3 | 525.1 |
| 110°   | 586.3 | 587.4 | 588.5 | 589.7 | 590.7 | 591.7 | 592.7 | 593.7 |





TEST NUMBER: P333360-840

CATALOG NUMBER: S125DIW-S375D1340U840-4F0-1E-UDD-D

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 651.2  | 652.0  | 652.8  | 653.3  | 653.6  | 654.0  | 654.3  | 654.6  |
| 115°   | 749.2  | 749.9  | 750.6  | 750.4  | 749.3  | 748.2  | 747.0  | 745.9  |
| 117.5° | 843.6  | 843.8  | 844.1  | 844.2  | 844.1  | 844.1  | 844.0  | 844.0  |
| 120°   | 904.6  | 905.8  | 907.0  | 907.2  | 906.4  | 905.5  | 904.6  | 903.8  |
| 122.5° | 962.6  | 963.7  | 964.8  | 964.8  | 963.7  | 962.7  | 961.6  | 960.6  |
| 125°   | 1047.3 | 1047.7 | 1048.2 | 1048.3 | 1048.0 | 1047.6 | 1047.3 | 1046.9 |
| 127.5° | 1124.4 | 1125.3 | 1126.2 | 1125.9 | 1124.3 | 1122.8 | 1121.3 | 1119.6 |
| 130°   | 1175.0 | 1175.5 | 1176.1 | 1175.9 | 1175.0 | 1174.1 | 1173.2 | 1172.2 |
| 132.5° | 1221.9 | 1223.1 | 1224.5 | 1224.6 | 1223.6 | 1222.5 | 1221.5 | 1220.5 |
| 135°   | 1290.6 | 1291.3 | 1292.1 | 1291.8 | 1290.6 | 1289.4 | 1288.2 | 1287.0 |
| 137.5° | 1354.8 | 1356.2 | 1357.6 | 1357.7 | 1356.6 | 1355.4 | 1354.4 | 1353.3 |
| 140°   | 1394.2 | 1396.0 | 1397.8 | 1398.0 | 1396.5 | 1395.2 | 1393.9 | 1392.6 |
| 142.5° | 1433.1 | 1434.1 | 1435.2 | 1435.1 | 1433.8 | 1432.5 | 1431.2 | 1429.8 |
| 145°   | 1488.2 | 1489.0 | 1489.9 | 1489.7 | 1488.3 | 1486.9 | 1485.6 | 1484.3 |
| 147.5° | 1535.8 | 1536.3 | 1536.8 | 1536.1 | 1534.2 | 1532.3 | 1530.5 | 1528.5 |
| 150°   | 1566.3 | 1566.8 | 1567.4 | 1566.6 | 1564.4 | 1562.2 | 1559.9 | 1557.7 |
| 152.5° | 1593.5 | 1594.1 | 1594.6 | 1593.9 | 1591.9 | 1589.7 | 1587.7 | 1585.6 |
| 155°   | 1630.9 | 1631.7 | 1632.6 | 1631.9 | 1629.6 | 1627.3 | 1625.0 | 1622.7 |
| 157.5° | 1661.9 | 1662.8 | 1663.8 | 1663.0 | 1660.7 | 1658.4 | 1656.1 | 1653.8 |
| 160°   | 1681.2 | 1682.3 | 1683.5 | 1682.9 | 1680.6 | 1678.3 | 1676.0 | 1673.6 |
| 162.5° | 1698.8 | 1700.5 | 1702.1 | 1701.6 | 1699.1 | 1696.5 | 1693.9 | 1691.4 |
| 165°   | 1721.5 | 1723.3 | 1725.1 | 1724.7 | 1722.4 | 1720.1 | 1717.8 | 1715.5 |
| 167.5° | 1738.8 | 1740.8 | 1742.9 | 1742.6 | 1740.0 | 1737.5 | 1734.8 | 1732.2 |
| 170°   | 1747.6 | 1749.9 | 1752.2 | 1752.1 | 1749.5 | 1746.9 | 1744.2 | 1741.6 |
| 172.5° | 1754.4 | 1756.6 | 1758.6 | 1758.4 | 1755.8 | 1753.1 | 1750.5 | 1747.9 |
| 175°   | 1761.9 | 1764.2 | 1766.6 | 1766.5 | 1763.8 | 1761.2 | 1758.6 | 1756.0 |
| 177.5° | 1765.0 | 1766.7 | 1768.3 | 1768.2 | 1766.3 | 1764.4 | 1762.5 | 1760.7 |
| 180°   | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 | 1763.8 |

(END OF REPORT)