

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: P333589-940

Luminaire Tested: **S125RDIP-S1090D590U940-4F0-1E-UDD-F**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333589-940  
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: S125RDIP-S1090D590U940-4F0-1E-UDD-F  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1090 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED  
HOUSING  
UPLIGHT 590 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5874.3 lumens  
Efficiency: N/A  
Efficacy: 120.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Semi-Direct

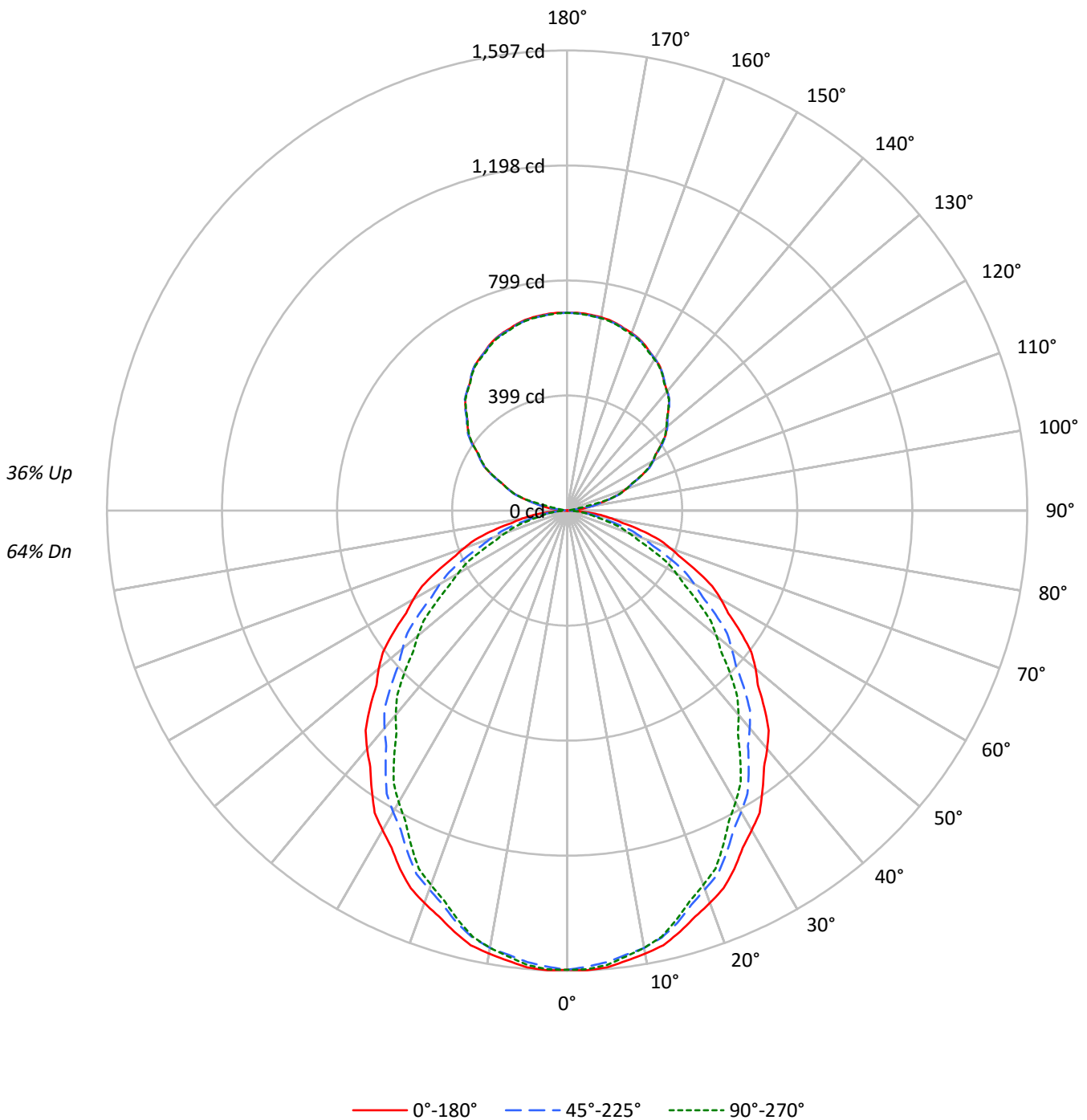
Input Watts (W): 48.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333589-940

CATALOG NUMBER: S125RDIP-S1090D590U940-4F0-1E-UDD-F

### Luminous Intensity Polar Plot





TEST NUMBER: P333589-940

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |  |     |     |     |     |  |    |    |    |  |    |    |    |  |    |
|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|--|----|----|----|--|----|----|----|--|----|
| RF  | 20  |     |     |     |  | 20  |     |     |     |  |    | 20 |    |  |    |    |    |  | 20 |
| RC  | 80  |     |     |     |  | 70  |     |     |     |  |    | 30 |    |  |    |    |    |  | 10 |
| RW  | 70  | 50  | 30  | 10  |  | 70  | 50  | 30  | 10  |  | 50 | 30 | 10 |  | 50 | 30 | 10 |  | 50 |
| RCR |     |     |     |     |  |     |     |     |     |  |    |    |    |  |    |    |    |  |    |
| 0   | 111 | 111 | 111 | 111 |  | 104 | 104 | 104 | 104 |  | 91 | 91 | 91 |  | 80 | 80 | 80 |  | 69 |
| 1   | 101 | 97  | 93  | 90  |  | 95  | 91  | 88  | 85  |  | 80 | 78 | 76 |  | 71 | 69 | 67 |  | 62 |
| 2   | 92  | 85  | 79  | 74  |  | 87  | 80  | 75  | 70  |  | 71 | 67 | 63 |  | 62 | 59 | 56 |  | 54 |
| 3   | 84  | 75  | 68  | 62  |  | 79  | 71  | 64  | 59  |  | 63 | 58 | 53 |  | 55 | 51 | 48 |  | 49 |
| 4   | 77  | 67  | 59  | 52  |  | 73  | 63  | 56  | 50  |  | 56 | 50 | 46 |  | 50 | 45 | 41 |  | 44 |
| 5   | 71  | 60  | 51  | 45  |  | 67  | 56  | 49  | 43  |  | 50 | 44 | 40 |  | 45 | 40 | 36 |  | 39 |
| 6   | 66  | 54  | 45  | 39  |  | 62  | 51  | 43  | 38  |  | 45 | 39 | 35 |  | 40 | 36 | 32 |  | 36 |
| 7   | 61  | 49  | 40  | 35  |  | 57  | 46  | 39  | 33  |  | 41 | 35 | 31 |  | 37 | 32 | 28 |  | 33 |
| 8   | 57  | 44  | 36  | 31  |  | 53  | 42  | 35  | 30  |  | 38 | 32 | 28 |  | 34 | 29 | 25 |  | 30 |
| 9   | 53  | 40  | 33  | 28  |  | 50  | 38  | 32  | 27  |  | 35 | 29 | 25 |  | 31 | 26 | 23 |  | 28 |
| 10  | 49  | 37  | 30  | 25  |  | 47  | 35  | 29  | 24  |  | 32 | 26 | 22 |  | 29 | 24 | 21 |  | 26 |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 10293 | 10293 | 10293 |
| 5°  | 10317 | 10200 | 10263 |
| 10° | 10239 | 10105 | 10105 |
| 15° | 10117 | 9900  | 9819  |
| 20° | 9961  | 9614  | 9498  |
| 25° | 9779  | 9333  | 9128  |
| 30° | 9552  | 9004  | 8717  |
| 35° | 9320  | 8665  | 8257  |
| 40° | 9104  | 8312  | 7804  |
| 45° | 8840  | 7916  | 7311  |
| 50° | 8575  | 7486  | 6797  |
| 55° | 8268  | 7076  | 6248  |
| 60° | 7962  | 6577  | 5660  |
| 65° | 7597  | 5997  | 4985  |
| 70° | 7183  | 5274  | 4296  |
| 75° | 6608  | 4447  | 3573  |
| 80° | 5821  | 3492  | 2998  |
| 85° | 4905  | 2853  | 2675  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 149.9  | 2.6       |
| 10°-20°   | 418.8  | 7.1       |
| 20°-30°   | 607.3  | 10.3      |
| 30°-40°   | 692.2  | 11.8      |
| 40°-50°   | 674.7  | 11.5      |
| 50°-60°   | 567.9  | 9.7       |
| 60°-70°   | 398.1  | 6.8       |
| 70°-80°   | 204.6  | 3.5       |
| 80°-90°   | 53.1   | 0.9       |
| 90°-100°  | 24.9   | 0.4       |
| 100°-110° | 153.7  | 2.6       |
| 110°-120° | 278.8  | 4.7       |
| 120°-130° | 357.8  | 6.1       |
| 130°-140° | 384.8  | 6.6       |
| 140°-150° | 361.2  | 6.1       |
| 150°-160° | 292.2  | 5.0       |
| 160°-170° | 189.0  | 3.2       |
| 170°-180° | 65.2   | 1.1       |
| 0°-30°    | 1176.0 | 20.0      |
| 0°-40°    | 1868.2 | 31.8      |
| 0°-60°    | 3110.9 | 53.0      |
| 0°-90°    | 3766.7 | 64.1      |
| 90°-120°  | 457.4  | 7.8       |
| 90°-150°  | 1561.2 | 26.6      |
| 90°-180°  | 2108.0 | 35.9      |
| 0°-180°   | 5874.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1594 | 1594  | 1594 | 1594  | 1594 |      |
| 5°   | 1591 | 1586  | 1573 | 1585  | 1583 | 151  |
| 15°  | 1513 | 1505  | 1481 | 1479  | 1469 | 426  |
| 25°  | 1372 | 1353  | 1310 | 1294  | 1281 | 631  |
| 35°  | 1182 | 1152  | 1099 | 1065  | 1047 | 740  |
| 45°  | 968  | 931   | 867  | 820   | 800  | 746  |
| 55°  | 734  | 694   | 628  | 576   | 555  | 657  |
| 65°  | 497  | 455   | 392  | 346   | 326  | 492  |
| 75°  | 265  | 228   | 178  | 153   | 143  | 280  |
| 85°  | 66   | 45    | 38   | 37    | 36   | 74   |
| 90°  | 0    | 5     | 8    | 11    | 12   | 4    |
| 95°  | 29   | 26    | 8    | 11    | 11   | 37   |
| 105° | 150  | 152   | 152  | 152   | 151  | 159  |
| 115° | 281  | 283   | 284  | 282   | 279  | 278  |
| 125° | 399  | 403   | 403  | 401   | 399  | 357  |
| 135° | 498  | 501   | 500  | 499   | 496  | 384  |
| 145° | 578  | 578   | 578  | 579   | 576  | 361  |
| 155° | 636  | 633   | 634  | 635   | 631  | 293  |
| 165° | 671  | 668   | 668  | 671   | 667  | 189  |
| 175° | 686  | 683   | 684  | 687   | 683  | 65   |
| 180° | 686  | 686   | 686  | 686   | 686  |      |



TEST NUMBER: P333589-940

CATALOG NUMBER: S125RDIP-S1090D590U940-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 |
| 2.5°   | 1596.7 | 1596.1 | 1595.4 | 1594.7 | 1594.1 | 1592.8 | 1590.6 | 1588.5 | 1586.4 | 1584.2 | 1586.4 |
| 5°     | 1591.4 | 1590.4 | 1589.3 | 1588.2 | 1587.2 | 1585.1 | 1582.2 | 1579.2 | 1576.3 | 1573.3 | 1576.0 |
| 7.5°   | 1575.7 | 1574.8 | 1573.7 | 1572.7 | 1571.6 | 1569.4 | 1565.8 | 1562.4 | 1558.8 | 1555.3 | 1557.2 |
| 10°    | 1561.3 | 1560.5 | 1559.7 | 1558.9 | 1558.1 | 1555.9 | 1552.1 | 1548.4 | 1544.6 | 1540.9 | 1541.7 |
| 12.5°  | 1544.9 | 1543.9 | 1542.9 | 1541.9 | 1540.9 | 1537.8 | 1532.9 | 1527.8 | 1522.8 | 1517.7 | 1518.3 |
| 15°    | 1513.1 | 1511.5 | 1509.9 | 1508.3 | 1506.7 | 1503.2 | 1497.5 | 1491.9 | 1486.3 | 1480.7 | 1480.4 |
| 17.5°  | 1477.3 | 1474.8 | 1472.4 | 1469.9 | 1467.4 | 1462.7 | 1455.6 | 1448.6 | 1441.5 | 1434.4 | 1433.1 |
| 20°    | 1449.4 | 1446.7 | 1444.0 | 1441.4 | 1438.7 | 1433.1 | 1424.5 | 1415.9 | 1407.4 | 1398.8 | 1397.5 |
| 22.5°  | 1418.5 | 1415.9 | 1413.2 | 1410.5 | 1407.8 | 1402.0 | 1393.0 | 1384.0 | 1375.0 | 1366.0 | 1363.4 |
| 25°    | 1372.3 | 1368.3 | 1364.3 | 1360.3 | 1356.3 | 1349.3 | 1339.4 | 1329.5 | 1319.6 | 1309.7 | 1306.3 |
| 27.5°  | 1319.4 | 1314.5 | 1309.6 | 1304.8 | 1299.8 | 1292.2 | 1281.6 | 1271.0 | 1260.3 | 1249.7 | 1244.9 |
| 30°    | 1280.9 | 1275.8 | 1270.7 | 1265.6 | 1260.5 | 1252.3 | 1241.1 | 1229.8 | 1218.6 | 1207.4 | 1201.2 |
| 32.5°  | 1243.2 | 1237.3 | 1231.4 | 1225.5 | 1219.5 | 1210.9 | 1199.4 | 1187.9 | 1176.4 | 1165.0 | 1158.2 |
| 35°    | 1182.1 | 1175.7 | 1169.3 | 1162.9 | 1156.5 | 1147.2 | 1135.1 | 1123.1 | 1111.1 | 1099.0 | 1091.3 |
| 37.5°  | 1122.1 | 1114.4 | 1106.5 | 1098.8 | 1090.9 | 1080.8 | 1068.4 | 1056.0 | 1043.6 | 1031.2 | 1021.8 |
| 40°    | 1079.8 | 1071.7 | 1063.7 | 1055.7 | 1047.7 | 1037.2 | 1024.4 | 1011.6 | 998.7  | 985.9  | 975.7  |
| 42.5°  | 1035.5 | 1027.3 | 1019.0 | 1010.8 | 1002.6 | 991.8  | 978.5  | 965.3  | 952.0  | 938.7  | 929.0  |
| 45°    | 967.9  | 960.1  | 952.3  | 944.6  | 936.8  | 925.6  | 910.9  | 896.2  | 881.5  | 866.7  | 856.0  |
| 47.5°  | 897.8  | 889.6  | 881.4  | 873.3  | 865.0  | 853.5  | 838.7  | 823.9  | 809.0  | 794.2  | 783.2  |
| 50°    | 853.5  | 844.6  | 835.8  | 827.0  | 818.1  | 806.1  | 790.9  | 775.6  | 760.4  | 745.1  | 733.9  |
| 52.5°  | 805.3  | 796.3  | 787.2  | 778.2  | 769.2  | 757.4  | 743.1  | 728.6  | 714.3  | 699.9  | 687.8  |
| 55°    | 734.3  | 725.8  | 717.2  | 708.6  | 700.1  | 688.3  | 673.3  | 658.4  | 643.4  | 628.4  | 616.4  |
| 57.5°  | 662.5  | 653.4  | 644.3  | 635.1  | 626.0  | 614.2  | 599.8  | 585.3  | 570.9  | 556.4  | 544.7  |
| 60°    | 616.4  | 607.0  | 597.6  | 588.3  | 578.9  | 566.9  | 552.5  | 538.1  | 523.6  | 509.2  | 497.4  |
| 62.5°  | 567.2  | 558.3  | 549.4  | 540.4  | 531.5  | 519.7  | 505.1  | 490.4  | 475.7  | 461.0  | 450.1  |
| 65°    | 497.1  | 488.0  | 478.9  | 469.8  | 460.7  | 449.2  | 435.0  | 420.8  | 406.6  | 392.4  | 381.7  |
| 67.5°  | 427.6  | 418.5  | 409.4  | 400.3  | 391.2  | 379.9  | 366.2  | 352.7  | 339.1  | 325.5  | 315.8  |
| 70°    | 380.4  | 371.3  | 362.2  | 353.1  | 344.0  | 332.8  | 319.4  | 306.0  | 292.7  | 279.3  | 271.0  |
| 72.5°  | 334.2  | 325.3  | 316.4  | 307.6  | 298.6  | 287.9  | 275.4  | 262.9  | 250.4  | 237.9  | 230.2  |
| 75°    | 264.8  | 256.8  | 248.8  | 240.8  | 232.7  | 223.1  | 211.9  | 200.6  | 189.4  | 178.2  | 172.3  |
| 77.5°  | 196.0  | 189.6  | 183.2  | 176.7  | 170.3  | 162.6  | 153.6  | 144.6  | 135.6  | 126.6  | 122.5  |
| 80°    | 156.5  | 150.1  | 143.7  | 137.2  | 130.8  | 123.9  | 116.4  | 108.9  | 101.4  | 93.9   | 91.5   |
| 82.5°  | 118.0  | 112.2  | 106.4  | 100.7  | 94.9   | 89.4   | 84.3   | 79.1   | 74.0   | 68.8   | 67.8   |
| 85°    | 66.2   | 61.3   | 56.5   | 51.7   | 46.9   | 43.9   | 42.5   | 41.2   | 39.9   | 38.5   | 38.3   |
| 87.5°  | 22.3   | 21.0   | 19.6   | 18.3   | 16.9   | 16.3   | 16.2   | 16.2   | 16.1   | 16.1   | 16.2   |
| 90°    | 0.5    | 1.4    | 2.3    | 3.2    | 4.1    | 5.0    | 5.8    | 6.6    | 7.3    | 8.1    | 8.7    |
| 92.5°  | 7.8    | 7.2    | 6.6    | 6.0    | 5.3    | 5.4    | 6.1    | 6.8    | 7.4    | 8.1    | 8.7    |
| 95°    | 29.0   | 28.6   | 28.4   | 28.0   | 27.6   | 25.3   | 21.0   | 16.8   | 12.4   | 8.1    | 8.7    |
| 97.5°  | 60.5   | 61.2   | 61.8   | 62.3   | 63.0   | 59.0   | 50.6   | 42.0   | 33.5   | 25.1   | 21.8   |
| 100°   | 85.0   | 85.3   | 85.6   | 86.0   | 86.3   | 86.7   | 87.2   | 87.7   | 88.1   | 88.5   | 71.7   |
| 102.5° | 109.8  | 110.2  | 110.7  | 111.1  | 111.5  | 111.8  | 112.1  | 112.4  | 112.7  | 113.0  | 109.8  |
| 105°   | 149.5  | 150.0  | 150.5  | 151.0  | 151.4  | 151.6  | 151.6  | 151.6  | 151.6  | 151.6  | 151.6  |
| 107.5° | 190.9  | 190.9  | 190.9  | 190.9  | 190.9  | 191.0  | 191.2  | 191.5  | 191.7  | 191.9  | 191.9  |
| 110°   | 217.8  | 217.8  | 217.8  | 217.8  | 217.8  | 217.8  | 218.1  | 218.3  | 218.6  | 218.7  | 218.5  |



TEST NUMBER: P333589-940

CATALOG NUMBER: S125RDIP-S1090D590U940-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 243.0 | 243.3 | 243.5 | 243.8 | 244.1 | 244.2 | 244.4 | 244.5 | 244.7 | 244.8 | 244.4 |
| 115°   | 280.8 | 281.4 | 282.0 | 282.5 | 283.1 | 283.5 | 283.6 | 283.7 | 283.7 | 283.9 | 283.5 |
| 117.5° | 320.0 | 319.9 | 319.9 | 319.9 | 319.9 | 320.1 | 320.6 | 321.0 | 321.4 | 321.8 | 321.3 |
| 120°   | 344.5 | 344.3 | 344.2 | 344.1 | 343.9 | 344.1 | 344.5 | 344.7 | 345.1 | 345.4 | 345.2 |
| 122.5° | 366.0 | 366.4 | 366.8 | 367.3 | 367.7 | 368.0 | 368.2 | 368.4 | 368.5 | 368.6 | 368.5 |
| 125°   | 399.4 | 400.2 | 400.9 | 401.7 | 402.5 | 403.0 | 403.0 | 403.0 | 403.0 | 403.0 | 402.5 |
| 127.5° | 431.2 | 431.8 | 432.4 | 432.9 | 433.5 | 433.7 | 433.6 | 433.6 | 433.5 | 433.5 | 433.2 |
| 130°   | 450.8 | 451.3 | 451.9 | 452.5 | 453.0 | 453.3 | 453.4 | 453.6 | 453.7 | 453.8 | 453.4 |
| 132.5° | 470.3 | 470.9 | 471.6 | 472.3 | 472.9 | 473.1 | 472.9 | 472.6 | 472.3 | 472.2 | 472.1 |
| 135°   | 498.1 | 498.7 | 499.4 | 500.1 | 500.8 | 501.1 | 500.8 | 500.5 | 500.3 | 500.1 | 499.9 |
| 137.5° | 523.6 | 524.2 | 524.8 | 525.4 | 525.9 | 526.2 | 525.9 | 525.8 | 525.6 | 525.3 | 525.4 |
| 140°   | 540.3 | 540.6 | 540.7 | 541.0 | 541.2 | 541.3 | 541.2 | 541.0 | 540.9 | 540.8 | 541.0 |
| 142.5° | 555.4 | 555.5 | 555.6 | 555.8 | 555.9 | 556.1 | 556.2 | 556.3 | 556.5 | 556.7 | 556.7 |
| 145°   | 577.5 | 577.7 | 577.9 | 578.1 | 578.4 | 578.5 | 578.5 | 578.5 | 578.5 | 578.5 | 578.5 |
| 147.5° | 596.7 | 596.7 | 596.6 | 596.6 | 596.6 | 596.6 | 596.7 | 596.9 | 597.0 | 597.2 | 597.4 |
| 150°   | 608.9 | 608.8 | 608.5 | 608.3 | 608.1 | 608.1 | 608.3 | 608.5 | 608.8 | 608.9 | 609.2 |
| 152.5° | 620.8 | 620.3 | 619.8 | 619.3 | 618.8 | 618.7 | 618.8 | 619.1 | 619.3 | 619.6 | 619.8 |
| 155°   | 636.0 | 635.3 | 634.6 | 633.9 | 633.2 | 633.0 | 633.2 | 633.5 | 633.6 | 633.9 | 634.3 |
| 157.5° | 647.6 | 647.2 | 646.8 | 646.4 | 646.0 | 645.9 | 645.9 | 645.9 | 645.9 | 646.0 | 646.3 |
| 160°   | 655.8 | 655.1 | 654.4 | 653.7 | 653.1 | 652.8 | 652.9 | 653.0 | 653.1 | 653.3 | 653.7 |
| 162.5° | 662.3 | 661.6 | 660.9 | 660.2 | 659.6 | 659.3 | 659.4 | 659.5 | 659.6 | 659.8 | 660.4 |
| 165°   | 671.0 | 670.4 | 669.7 | 669.1 | 668.3 | 668.1 | 668.2 | 668.2 | 668.4 | 668.5 | 669.1 |
| 167.5° | 677.5 | 676.9 | 676.2 | 675.5 | 674.8 | 674.5 | 674.6 | 674.7 | 674.8 | 674.9 | 675.7 |
| 170°   | 681.3 | 680.5 | 679.7 | 678.9 | 678.1 | 677.7 | 677.8 | 678.0 | 678.1 | 678.1 | 679.0 |
| 172.5° | 683.7 | 682.9 | 682.1 | 681.3 | 680.5 | 680.2 | 680.4 | 680.6 | 680.8 | 681.0 | 681.8 |
| 175°   | 686.3 | 685.6 | 684.9 | 684.3 | 683.6 | 683.3 | 683.4 | 683.6 | 683.7 | 683.8 | 684.7 |
| 177.5° | 687.5 | 687.0 | 686.4 | 685.9 | 685.4 | 685.1 | 685.2 | 685.3 | 685.4 | 685.5 | 686.2 |
| 180°   | 686.3 | 686.3 | 686.3 | 686.3 | 686.3 | 686.3 | 686.3 | 686.3 | 686.3 | 686.3 | 686.3 |



TEST NUMBER: P333589-940

CATALOG NUMBER: S125RDIP-S1090D590U940-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 |
| 2.5°   | 1588.5 | 1590.6 | 1592.8 | 1593.7 | 1593.5 | 1593.3 | 1593.0 | 1592.9 |
| 5°     | 1578.7 | 1581.4 | 1584.0 | 1585.1 | 1584.6 | 1584.0 | 1583.5 | 1583.0 |
| 7.5°   | 1559.1 | 1560.9 | 1562.8 | 1563.4 | 1562.8 | 1562.3 | 1561.7 | 1561.0 |
| 10°    | 1542.5 | 1543.3 | 1544.1 | 1544.1 | 1543.3 | 1542.5 | 1541.7 | 1540.9 |
| 12.5°  | 1518.9 | 1519.5 | 1520.1 | 1519.7 | 1518.5 | 1517.3 | 1516.1 | 1514.8 |
| 15°    | 1480.2 | 1479.9 | 1479.6 | 1478.3 | 1475.9 | 1473.5 | 1471.1 | 1468.6 |
| 17.5°  | 1431.7 | 1430.4 | 1429.1 | 1427.5 | 1425.4 | 1423.4 | 1421.5 | 1419.5 |
| 20°    | 1396.2 | 1394.8 | 1393.5 | 1391.6 | 1389.2 | 1386.8 | 1384.4 | 1382.0 |
| 22.5°  | 1360.8 | 1358.2 | 1355.6 | 1353.3 | 1351.3 | 1349.3 | 1347.3 | 1345.3 |
| 25°    | 1302.8 | 1299.3 | 1295.8 | 1292.6 | 1289.7 | 1286.7 | 1283.8 | 1280.9 |
| 27.5°  | 1240.0 | 1235.2 | 1230.3 | 1226.5 | 1223.6 | 1220.8 | 1217.9 | 1215.1 |
| 30°    | 1195.1 | 1188.9 | 1182.8 | 1178.5 | 1176.1 | 1173.7 | 1171.3 | 1168.9 |
| 32.5°  | 1151.5 | 1144.6 | 1137.8 | 1132.9 | 1129.9 | 1126.9 | 1123.7 | 1120.7 |
| 35°    | 1083.5 | 1075.8 | 1068.0 | 1062.3 | 1058.5 | 1054.8 | 1051.1 | 1047.3 |
| 37.5°  | 1012.5 | 1003.3 | 993.9  | 987.5  | 983.8  | 980.2  | 976.5  | 972.9  |
| 40°    | 965.5  | 955.4  | 945.2  | 938.5  | 935.3  | 932.1  | 928.9  | 925.7  |
| 42.5°  | 919.3  | 909.5  | 899.7  | 892.5  | 887.8  | 883.2  | 878.4  | 873.7  |
| 45°    | 845.3  | 834.6  | 823.9  | 816.5  | 812.5  | 808.5  | 804.5  | 800.5  |
| 47.5°  | 772.2  | 761.2  | 750.2  | 742.4  | 738.0  | 733.5  | 729.2  | 724.7  |
| 50°    | 722.6  | 711.4  | 700.2  | 692.6  | 688.6  | 684.6  | 680.6  | 676.5  |
| 52.5°  | 675.7  | 663.6  | 651.5  | 643.5  | 639.4  | 635.4  | 631.4  | 627.4  |
| 55°    | 604.3  | 592.3  | 580.2  | 572.0  | 567.8  | 563.5  | 559.2  | 554.9  |
| 57.5°  | 532.9  | 521.1  | 509.3  | 501.5  | 497.8  | 493.9  | 490.1  | 486.3  |
| 60°    | 485.6  | 473.9  | 462.1  | 454.2  | 450.2  | 446.2  | 442.2  | 438.2  |
| 62.5°  | 439.3  | 428.3  | 417.4  | 409.9  | 405.9  | 401.9  | 397.9  | 393.9  |
| 65°    | 371.0  | 360.3  | 349.6  | 342.2  | 338.2  | 334.2  | 330.2  | 326.2  |
| 67.5°  | 305.9  | 296.1  | 286.3  | 279.8  | 276.6  | 273.4  | 270.2  | 267.0  |
| 70°    | 262.7  | 254.4  | 246.1  | 240.3  | 237.1  | 233.9  | 230.7  | 227.5  |
| 72.5°  | 222.6  | 214.9  | 207.2  | 202.3  | 200.2  | 198.0  | 195.9  | 193.8  |
| 75°    | 166.4  | 160.5  | 154.6  | 150.7  | 148.8  | 147.0  | 145.1  | 143.2  |
| 77.5°  | 118.4  | 114.3  | 110.1  | 107.4  | 106.0  | 104.6  | 103.3  | 101.8  |
| 80°    | 89.1   | 86.7   | 84.3   | 82.8   | 82.2   | 81.7   | 81.1   | 80.6   |
| 82.5°  | 66.6   | 65.5   | 64.4   | 63.7   | 63.3   | 63.0   | 62.7   | 62.3   |
| 85°    | 38.0   | 37.7   | 37.5   | 37.2   | 36.9   | 36.6   | 36.4   | 36.1   |
| 87.5°  | 16.3   | 16.4   | 16.5   | 16.5   | 16.3   | 16.2   | 16.1   | 16.0   |
| 90°    | 9.3    | 9.8    | 10.4   | 10.9   | 11.2   | 11.5   | 11.9   | 12.2   |
| 92.5°  | 9.3    | 9.8    | 10.4   | 10.8   | 10.9   | 11.1   | 11.2   | 11.4   |
| 95°    | 9.3    | 9.8    | 10.4   | 10.7   | 10.7   | 10.7   | 10.7   | 10.7   |
| 97.5°  | 18.6   | 15.4   | 12.3   | 10.7   | 10.7   | 10.7   | 10.7   | 10.7   |
| 100°   | 54.8   | 38.0   | 21.1   | 12.5   | 12.0   | 11.6   | 11.1   | 10.7   |
| 102.5° | 106.6  | 103.3  | 100.2  | 94.8   | 87.0   | 79.4   | 71.7   | 64.0   |
| 105°   | 151.6  | 151.6  | 151.6  | 151.6  | 151.4  | 151.3  | 151.2  | 151.1  |
| 107.5° | 192.0  | 192.0  | 192.0  | 191.8  | 191.5  | 191.2  | 190.8  | 190.5  |
| 110°   | 218.1  | 217.8  | 217.4  | 217.3  | 217.4  | 217.5  | 217.7  | 217.8  |





TEST NUMBER: P333589-940

CATALOG NUMBER: S125RDIP-S1090D590U940-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 244.0 | 243.5 | 243.1 | 242.8 | 242.6 | 242.5 | 242.4 | 242.2 |
| 115°   | 282.9 | 282.5 | 282.0 | 281.5 | 280.8 | 280.2 | 279.5 | 278.8 |
| 117.5° | 320.7 | 320.0 | 319.5 | 319.1 | 318.8 | 318.4 | 318.2 | 317.9 |
| 120°   | 345.0 | 344.7 | 344.6 | 344.1 | 343.6 | 343.0 | 342.4 | 341.9 |
| 122.5° | 368.2 | 368.0 | 367.7 | 367.3 | 366.7 | 366.0 | 365.3 | 364.7 |
| 125°   | 402.1 | 401.5 | 401.1 | 400.7 | 400.4 | 400.0 | 399.8 | 399.4 |
| 127.5° | 432.9 | 432.7 | 432.5 | 431.9 | 431.1 | 430.3 | 429.4 | 428.6 |
| 130°   | 453.2 | 452.8 | 452.5 | 452.0 | 451.5 | 450.8 | 450.3 | 449.8 |
| 132.5° | 472.0 | 471.9 | 471.9 | 471.5 | 471.0 | 470.4 | 469.8 | 469.3 |
| 135°   | 499.6 | 499.4 | 499.2 | 498.7 | 498.1 | 497.4 | 496.7 | 496.1 |
| 137.5° | 525.4 | 525.5 | 525.5 | 525.2 | 524.7 | 524.1 | 523.5 | 522.9 |
| 140°   | 541.3 | 541.4 | 541.7 | 541.4 | 540.8 | 540.1 | 539.5 | 538.8 |
| 142.5° | 556.8 | 556.8 | 556.9 | 556.5 | 555.9 | 555.2 | 554.5 | 553.8 |
| 145°   | 578.7 | 578.8 | 578.9 | 578.6 | 577.9 | 577.3 | 576.6 | 575.9 |
| 147.5° | 597.4 | 597.6 | 597.7 | 597.4 | 596.6 | 595.8 | 594.9 | 594.1 |
| 150°   | 609.4 | 609.7 | 609.8 | 609.6 | 608.7 | 607.7 | 606.8 | 605.9 |
| 152.5° | 620.0 | 620.3 | 620.5 | 620.2 | 619.4 | 618.6 | 617.7 | 616.9 |
| 155°   | 634.6 | 634.9 | 635.3 | 635.0 | 634.1 | 633.2 | 632.3 | 631.3 |
| 157.5° | 646.7 | 647.0 | 647.4 | 647.1 | 646.2 | 645.2 | 644.4 | 643.5 |
| 160°   | 654.2 | 654.6 | 655.1 | 654.8 | 653.9 | 653.0 | 652.1 | 651.2 |
| 162.5° | 661.0 | 661.6 | 662.3 | 662.1 | 661.1 | 660.1 | 659.2 | 658.1 |
| 165°   | 669.9 | 670.6 | 671.2 | 671.1 | 670.2 | 669.3 | 668.4 | 667.4 |
| 167.5° | 676.5 | 677.3 | 678.1 | 678.1 | 677.1 | 676.0 | 675.0 | 674.0 |
| 170°   | 680.0 | 680.9 | 681.8 | 681.7 | 680.7 | 679.7 | 678.7 | 677.7 |
| 172.5° | 682.6 | 683.5 | 684.3 | 684.2 | 683.1 | 682.2 | 681.1 | 680.1 |
| 175°   | 685.5 | 686.4 | 687.4 | 687.3 | 686.3 | 685.3 | 684.3 | 683.2 |
| 177.5° | 686.8 | 687.4 | 688.0 | 688.0 | 687.2 | 686.5 | 685.8 | 685.1 |
| 180°   | 686.3 | 686.3 | 686.3 | 686.3 | 686.3 | 686.3 | 686.3 | 686.3 |

(END OF REPORT)