

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: P333298

Luminaire Tested: **S125DIP-S1270D365U835-4F0-1E-UDD-D**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333298  
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: S125DIP-S1270D365U835-4F0-1E-UDD-D  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER  
UPLIGHT 365 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6391.0 lumens  
Efficiency: N/A  
Efficacy: 128.3 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-Direct

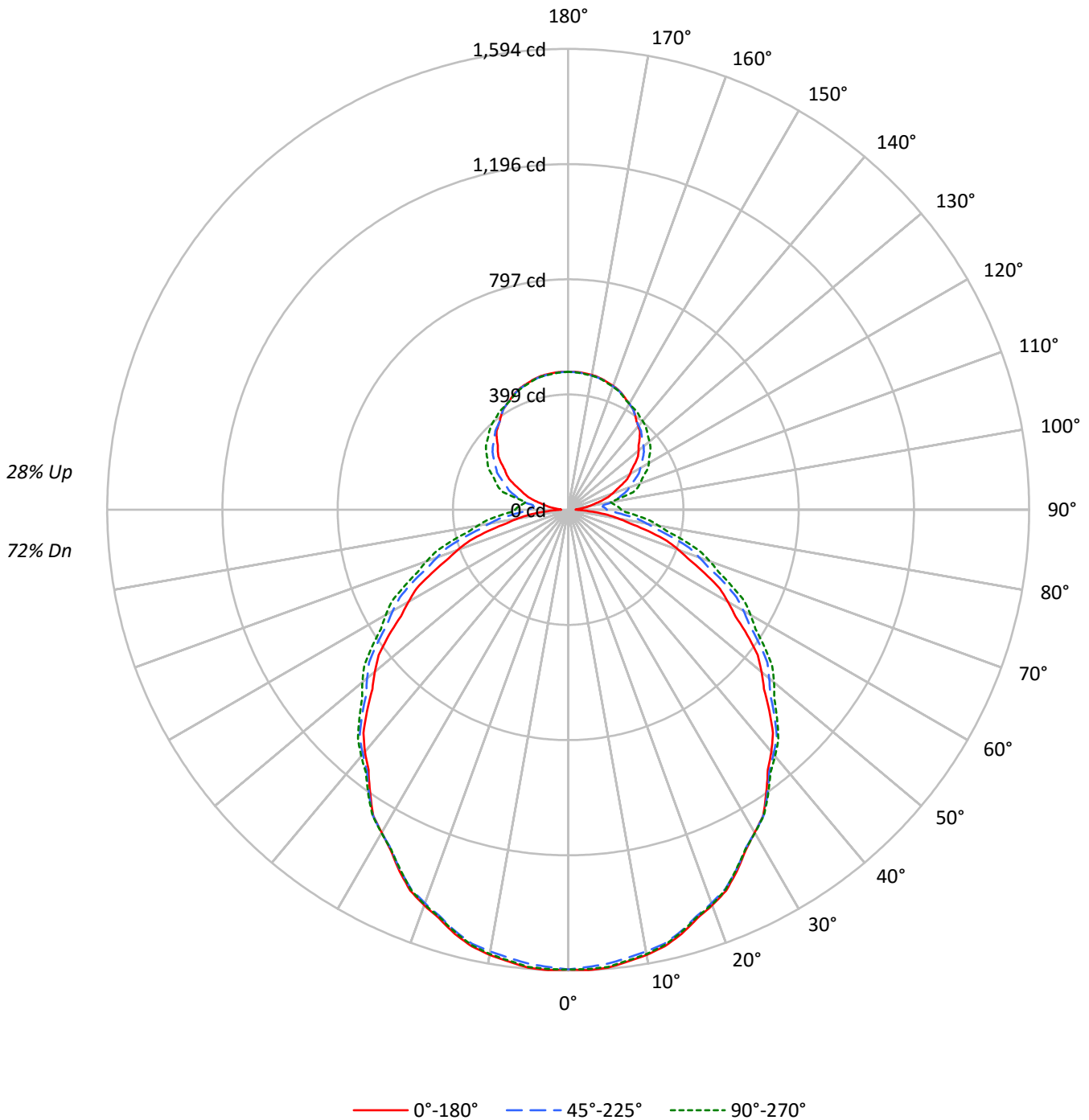
Input Watts (W): 49.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333298

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### Luminous Intensity Polar Plot





TEST NUMBER: P333298

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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   | 112 | 112 | 112 | 112 | 107 | 107 | 107 | 107 | 96 | 96 | 96 | 86 | 86 | 86 | 77 | 77 | 77 | 72 |
| 1   | 102 | 97  | 92  | 88  | 96  | 92  | 88  | 84  | 83 | 79 | 77 | 74 | 72 | 69 | 66 | 64 | 63 | 59 |
| 2   | 92  | 84  | 77  | 71  | 87  | 80  | 74  | 68  | 72 | 67 | 63 | 64 | 61 | 57 | 58 | 55 | 52 | 48 |
| 3   | 84  | 74  | 65  | 59  | 79  | 70  | 63  | 57  | 63 | 57 | 52 | 57 | 52 | 48 | 51 | 47 | 44 | 40 |
| 4   | 77  | 65  | 56  | 50  | 72  | 62  | 54  | 48  | 56 | 49 | 44 | 50 | 45 | 41 | 45 | 41 | 37 | 34 |
| 5   | 70  | 58  | 49  | 43  | 66  | 55  | 47  | 41  | 50 | 43 | 38 | 45 | 40 | 35 | 41 | 36 | 33 | 30 |
| 6   | 65  | 52  | 43  | 37  | 61  | 50  | 42  | 36  | 45 | 38 | 33 | 41 | 35 | 31 | 37 | 32 | 29 | 26 |
| 7   | 60  | 47  | 38  | 32  | 57  | 45  | 37  | 31  | 41 | 34 | 29 | 37 | 31 | 27 | 34 | 29 | 25 | 23 |
| 8   | 56  | 43  | 34  | 29  | 53  | 41  | 33  | 28  | 37 | 31 | 26 | 34 | 28 | 24 | 31 | 26 | 23 | 20 |
| 9   | 52  | 39  | 31  | 26  | 49  | 37  | 30  | 25  | 34 | 28 | 23 | 31 | 26 | 22 | 28 | 24 | 20 | 18 |
| 10  | 49  | 36  | 28  | 23  | 46  | 34  | 27  | 23  | 32 | 25 | 21 | 29 | 24 | 20 | 26 | 22 | 19 | 17 |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 10271 | 10271 | 10271 |
| 5°  | 10291 | 10081 | 10113 |
| 10° | 10218 | 9901  | 9886  |
| 15° | 10097 | 9686  | 9597  |
| 20° | 9933  | 9419  | 9309  |
| 25° | 9738  | 9134  | 8953  |
| 30° | 9501  | 8820  | 8630  |
| 35° | 9281  | 8532  | 8335  |
| 40° | 9056  | 8229  | 8036  |
| 45° | 8802  | 7969  | 7773  |
| 50° | 8560  | 7687  | 7539  |
| 55° | 8269  | 7421  | 7265  |
| 60° | 7950  | 7117  | 6985  |
| 65° | 7617  | 6800  | 6669  |
| 70° | 7241  | 6366  | 6346  |
| 75° | 6643  | 5948  | 5948  |
| 80° | 5861  | 5444  | 5515  |
| 85° | 5135  | 5104  | 5378  |



TEST NUMBER: P333298

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 150.4  | 2.4       |
| 10°-20°   | 426.9  | 6.7       |
| 20°-30°   | 634.8  | 9.9       |
| 30°-40°   | 752.0  | 11.8      |
| 40°-50°   | 777.5  | 12.2      |
| 50°-60°   | 716.2  | 11.2      |
| 60°-70°   | 579.0  | 9.1       |
| 70°-80°   | 387.7  | 6.1       |
| 80°-90°   | 202.1  | 3.2       |
| 90°-100°  | 130.2  | 2.0       |
| 100°-110° | 190.0  | 3.0       |
| 110°-120° | 249.4  | 3.9       |
| 120°-130° | 280.2  | 4.4       |
| 130°-140° | 281.2  | 4.4       |
| 140°-150° | 253.8  | 4.0       |
| 150°-160° | 203.0  | 3.2       |
| 160°-170° | 131.3  | 2.1       |
| 170°-180° | 45.3   | 0.7       |
| 0°-30°    | 1212.1 | 19.0      |
| 0°-40°    | 1964.1 | 30.7      |
| 0°-60°    | 3457.8 | 54.1      |
| 0°-90°    | 4626.6 | 72.4      |
| 90°-120°  | 569.6  | 8.9       |
| 90°-150°  | 1384.8 | 21.7      |
| 90°-180°  | 1764.0 | 27.6      |
| 0°-180°   | 6391.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1590 | 1590  | 1590 | 1590  | 1590 |      |
| 5°   | 1590 | 1587  | 1576 | 1588  | 1587 | 151  |
| 15°  | 1519 | 1519  | 1509 | 1518  | 1512 | 428  |
| 25°  | 1380 | 1384  | 1375 | 1381  | 1374 | 635  |
| 35°  | 1194 | 1204  | 1200 | 1205  | 1205 | 747  |
| 45°  | 984  | 1000  | 1009 | 1019  | 1021 | 759  |
| 55°  | 756  | 781   | 806  | 823   | 830  | 676  |
| 65°  | 521  | 557   | 594  | 616   | 624  | 517  |
| 75°  | 287  | 328   | 377  | 407   | 416  | 304  |
| 85°  | 86   | 137   | 192  | 225   | 238  | 91   |
| 90°  | 25   | 78    | 134  | 170   | 183  | 17   |
| 95°  | 40   | 80    | 120  | 154   | 166  | 42   |
| 105° | 118  | 145   | 191  | 221   | 233  | 125  |
| 115° | 204  | 219   | 258  | 284   | 292  | 203  |
| 125° | 284  | 286   | 316  | 338   | 346  | 253  |
| 135° | 349  | 350   | 360  | 379   | 385  | 269  |
| 145° | 403  | 402   | 402  | 410   | 414  | 251  |
| 155° | 442  | 440   | 440  | 441   | 439  | 203  |
| 165° | 466  | 464   | 464  | 466   | 464  | 132  |
| 175° | 477  | 475   | 475  | 478   | 475  | 45   |
| 180° | 477  | 477   | 477  | 477   | 477  |      |



TEST NUMBER: P333298

CATALOG NUMBER: S125DIP-S1270D365U835-4F0-1E-UDD-D

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1590.3 | 1590.3 | 1590.3 | 1590.3 | 1590.3 | 1590.3 | 1590.3 | 1590.3 | 1590.3 | 1590.3 | 1590.3 |
| 2.5°   | 1594.0 | 1593.5 | 1592.9 | 1592.4 | 1591.8 | 1590.6 | 1588.6 | 1586.7 | 1584.8 | 1582.8 | 1584.8 |
| 5°     | 1590.3 | 1589.6 | 1588.9 | 1588.2 | 1587.5 | 1586.0 | 1583.5 | 1581.1 | 1578.7 | 1576.3 | 1579.0 |
| 7.5°   | 1576.3 | 1576.0 | 1575.7 | 1575.4 | 1575.2 | 1573.8 | 1571.3 | 1568.8 | 1566.3 | 1563.8 | 1566.2 |
| 10°    | 1563.8 | 1563.8 | 1563.8 | 1563.8 | 1563.8 | 1562.4 | 1559.6 | 1556.9 | 1554.1 | 1551.3 | 1553.7 |
| 12.5°  | 1546.3 | 1546.6 | 1546.9 | 1547.2 | 1547.4 | 1546.5 | 1544.3 | 1542.0 | 1539.8 | 1537.6 | 1539.5 |
| 15°    | 1518.6 | 1518.9 | 1519.3 | 1519.6 | 1520.0 | 1518.9 | 1516.5 | 1514.1 | 1511.7 | 1509.2 | 1511.3 |
| 17.5°  | 1482.4 | 1483.1 | 1483.8 | 1484.5 | 1485.2 | 1484.3 | 1481.9 | 1479.5 | 1477.0 | 1474.6 | 1476.2 |
| 20°    | 1456.2 | 1456.9 | 1457.6 | 1458.3 | 1459.0 | 1458.1 | 1455.7 | 1453.3 | 1450.8 | 1448.4 | 1449.5 |
| 22.5°  | 1426.3 | 1427.5 | 1428.8 | 1430.0 | 1431.3 | 1430.5 | 1427.8 | 1425.1 | 1422.4 | 1419.7 | 1421.0 |
| 25°    | 1379.8 | 1380.9 | 1381.9 | 1382.9 | 1384.0 | 1383.5 | 1381.4 | 1379.3 | 1377.2 | 1375.1 | 1376.5 |
| 27.5°  | 1328.1 | 1329.6 | 1331.1 | 1332.6 | 1334.2 | 1333.7 | 1331.4 | 1329.0 | 1326.7 | 1324.3 | 1325.3 |
| 30°    | 1289.4 | 1291.5 | 1293.5 | 1295.6 | 1297.7 | 1297.7 | 1295.6 | 1293.5 | 1291.5 | 1289.4 | 1290.1 |
| 32.5°  | 1254.5 | 1256.3 | 1258.1 | 1259.9 | 1261.7 | 1261.8 | 1260.3 | 1258.8 | 1257.2 | 1255.7 | 1256.4 |
| 35°    | 1194.3 | 1196.7 | 1199.1 | 1201.6 | 1204.0 | 1204.7 | 1203.6 | 1202.6 | 1201.6 | 1200.5 | 1201.6 |
| 37.5°  | 1134.1 | 1136.3 | 1138.5 | 1140.8 | 1143.0 | 1143.9 | 1143.6 | 1143.2 | 1142.9 | 1142.5 | 1143.9 |
| 40°    | 1092.9 | 1095.7 | 1098.5 | 1101.3 | 1104.0 | 1105.2 | 1104.9 | 1104.5 | 1104.2 | 1103.9 | 1105.2 |
| 42.5°  | 1048.0 | 1051.6 | 1055.2 | 1058.8 | 1062.5 | 1064.6 | 1065.4 | 1066.2 | 1066.9 | 1067.7 | 1069.3 |
| 45°    | 983.8  | 987.6  | 991.4  | 995.2  | 999.0  | 1001.8 | 1003.6 | 1005.3 | 1007.0 | 1008.7 | 1011.2 |
| 47.5°  | 918.0  | 921.5  | 925.1  | 928.6  | 932.1  | 935.4  | 938.4  | 941.4  | 944.3  | 947.3  | 950.9  |
| 50°    | 873.1  | 876.9  | 880.7  | 884.5  | 888.4  | 892.2  | 896.0  | 899.8  | 903.6  | 907.4  | 911.2  |
| 52.5°  | 825.7  | 830.4  | 835.0  | 839.6  | 844.3  | 848.9  | 853.6  | 858.2  | 862.8  | 867.5  | 871.6  |
| 55°    | 756.2  | 761.7  | 767.3  | 772.8  | 778.3  | 783.9  | 789.4  | 795.0  | 800.5  | 806.1  | 809.9  |
| 57.5°  | 685.1  | 691.7  | 698.4  | 705.0  | 711.7  | 718.2  | 724.6  | 730.9  | 737.3  | 743.7  | 748.1  |
| 60°    | 637.7  | 644.6  | 651.5  | 658.5  | 665.4  | 672.3  | 679.3  | 686.2  | 693.1  | 700.0  | 705.2  |
| 62.5°  | 591.5  | 598.5  | 605.4  | 612.3  | 619.2  | 626.5  | 633.9  | 641.4  | 648.9  | 656.4  | 662.1  |
| 65°    | 520.7  | 528.7  | 536.7  | 544.7  | 552.6  | 560.8  | 569.1  | 577.4  | 585.7  | 594.0  | 599.2  |
| 67.5°  | 454.0  | 461.7  | 469.4  | 477.1  | 484.8  | 492.9  | 501.3  | 509.8  | 518.2  | 526.7  | 533.0  |
| 70°    | 405.4  | 413.3  | 421.3  | 429.3  | 437.2  | 445.7  | 454.7  | 463.8  | 472.8  | 481.8  | 488.4  |
| 72.5°  | 358.0  | 366.2  | 374.5  | 382.7  | 391.0  | 400.0  | 409.8  | 419.7  | 429.5  | 439.4  | 446.5  |
| 75°    | 286.9  | 295.9  | 304.9  | 313.9  | 322.9  | 333.0  | 344.0  | 355.1  | 366.2  | 377.3  | 384.2  |
| 77.5°  | 218.6  | 229.0  | 239.4  | 249.8  | 260.2  | 270.7  | 281.4  | 292.0  | 302.7  | 313.4  | 321.0  |
| 80°    | 176.2  | 186.6  | 197.0  | 207.4  | 217.8  | 228.8  | 240.6  | 252.4  | 264.2  | 276.0  | 283.6  |
| 82.5°  | 137.5  | 148.5  | 159.4  | 170.4  | 181.3  | 192.8  | 204.9  | 216.9  | 229.0  | 241.0  | 248.4  |
| 85°    | 85.8   | 97.2   | 108.6  | 120.1  | 131.5  | 143.3  | 155.4  | 167.5  | 179.6  | 191.8  | 199.4  |
| 87.5°  | 48.7   | 59.9   | 71.1   | 82.4   | 93.6   | 105.1  | 117.0  | 128.9  | 140.8  | 152.7  | 160.7  |
| 90°    | 25.3   | 37.0   | 48.7   | 60.4   | 72.2   | 84.2   | 96.5   | 108.8  | 121.2  | 133.5  | 141.9  |
| 92.5°  | 27.9   | 37.7   | 47.5   | 57.3   | 67.2   | 78.3   | 90.9   | 103.4  | 116.0  | 128.5  | 136.6  |
| 95°    | 40.4   | 49.2   | 58.0   | 66.7   | 75.5   | 84.3   | 93.1   | 101.9  | 110.7  | 119.5  | 127.5  |
| 97.5°  | 60.5   | 69.0   | 77.5   | 86.1   | 94.6   | 101.6  | 107.0  | 112.5  | 118.0  | 123.4  | 128.5  |
| 100°   | 76.2   | 83.7   | 91.2   | 98.7   | 106.2  | 115.7  | 127.1  | 138.5  | 149.9  | 161.3  | 156.9  |
| 102.5° | 92.2   | 99.2   | 106.2  | 113.2  | 120.3  | 129.3  | 140.3  | 151.3  | 162.3  | 173.3  | 178.1  |
| 105°   | 118.0  | 123.8  | 129.7  | 135.5  | 141.4  | 149.5  | 159.9  | 170.3  | 180.7  | 191.1  | 198.0  |
| 107.5° | 144.8  | 149.5  | 154.2  | 158.9  | 163.6  | 171.1  | 181.2  | 191.3  | 201.5  | 211.6  | 218.5  |
| 110°   | 162.2  | 166.4  | 170.5  | 174.7  | 178.8  | 185.8  | 195.7  | 205.6  | 215.4  | 225.3  | 231.6  |



TEST NUMBER: P333298

CATALOG NUMBER: S125DIP-S1270D365U835-4F0-1E-UDD-D

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 179.7 | 183.3 | 186.8 | 190.3 | 193.8 | 200.3 | 209.8 | 219.3 | 228.9 | 238.4 | 244.4 |
| 115°   | 204.5 | 207.3 | 210.1 | 212.9 | 215.7 | 221.7 | 230.8 | 239.9 | 249.0 | 258.0 | 264.0 |
| 117.5° | 230.1 | 231.7 | 233.3 | 234.9 | 236.4 | 241.6 | 250.5 | 259.3 | 268.1 | 276.9 | 282.4 |
| 120°   | 247.1 | 248.1 | 249.0 | 250.0 | 250.9 | 255.5 | 263.7 | 271.9 | 280.1 | 288.3 | 294.1 |
| 122.5° | 260.8 | 261.6 | 262.4 | 263.2 | 264.0 | 268.3 | 276.1 | 283.9 | 291.7 | 299.5 | 304.9 |
| 125°   | 283.7 | 283.9 | 284.1 | 284.3 | 284.5 | 288.1 | 295.0 | 302.0 | 308.9 | 315.8 | 321.0 |
| 127.5° | 304.3 | 304.3 | 304.4 | 304.4 | 304.5 | 307.3 | 313.0 | 318.6 | 324.2 | 329.9 | 334.8 |
| 130°   | 317.9 | 317.9 | 318.0 | 318.0 | 318.0 | 320.5 | 325.5 | 330.4 | 335.3 | 340.3 | 344.9 |
| 132.5° | 330.2 | 330.6 | 331.0 | 331.3 | 331.7 | 333.7 | 337.3 | 340.9 | 344.4 | 348.0 | 352.8 |
| 135°   | 349.2 | 349.3 | 349.4 | 349.6 | 349.7 | 350.9 | 353.1 | 355.4 | 357.7 | 359.9 | 364.3 |
| 137.5° | 366.6 | 366.7 | 366.9 | 367.0 | 367.1 | 367.7 | 368.8 | 369.8 | 370.8 | 371.9 | 376.0 |
| 140°   | 377.0 | 377.1 | 377.3 | 377.4 | 377.6 | 377.8 | 378.1 | 378.3 | 378.6 | 378.9 | 382.8 |
| 142.5° | 387.4 | 387.2 | 387.1 | 386.9 | 386.7 | 386.7 | 386.9 | 387.0 | 387.2 | 387.4 | 390.7 |
| 145°   | 402.8 | 402.6 | 402.4 | 402.2 | 402.0 | 401.9 | 401.9 | 401.9 | 401.9 | 401.9 | 403.7 |
| 147.5° | 414.6 | 414.6 | 414.6 | 414.5 | 414.5 | 414.5 | 414.6 | 414.7 | 414.8 | 414.9 | 415.6 |
| 150°   | 423.1 | 423.0 | 422.8 | 422.6 | 422.5 | 422.5 | 422.6 | 422.8 | 423.0 | 423.1 | 423.3 |
| 152.5° | 431.3 | 431.0 | 430.6 | 430.3 | 429.9 | 429.8 | 430.0 | 430.2 | 430.3 | 430.5 | 430.6 |
| 155°   | 441.9 | 441.4 | 440.9 | 440.4 | 440.0 | 439.8 | 440.0 | 440.1 | 440.3 | 440.4 | 440.7 |
| 157.5° | 450.0 | 449.7 | 449.4 | 449.1 | 448.9 | 448.7 | 448.7 | 448.8 | 448.8 | 448.8 | 449.0 |
| 160°   | 455.6 | 455.2 | 454.7 | 454.2 | 453.8 | 453.6 | 453.6 | 453.7 | 453.8 | 453.9 | 454.2 |
| 162.5° | 460.2 | 459.7 | 459.2 | 458.7 | 458.3 | 458.1 | 458.2 | 458.2 | 458.3 | 458.4 | 458.8 |
| 165°   | 466.2 | 465.8 | 465.3 | 464.8 | 464.4 | 464.2 | 464.2 | 464.3 | 464.4 | 464.5 | 464.9 |
| 167.5° | 470.8 | 470.3 | 469.8 | 469.3 | 468.8 | 468.6 | 468.7 | 468.8 | 468.9 | 468.9 | 469.5 |
| 170°   | 473.3 | 472.8 | 472.2 | 471.7 | 471.1 | 470.9 | 471.0 | 471.0 | 471.1 | 471.2 | 471.8 |
| 172.5° | 475.0 | 474.5 | 473.9 | 473.4 | 472.8 | 472.6 | 472.7 | 472.9 | 473.0 | 473.2 | 473.7 |
| 175°   | 476.8 | 476.4 | 475.9 | 475.4 | 475.0 | 474.8 | 474.8 | 474.9 | 475.0 | 475.1 | 475.7 |
| 177.5° | 477.7 | 477.3 | 476.9 | 476.6 | 476.2 | 476.0 | 476.1 | 476.2 | 476.2 | 476.3 | 476.7 |
| 180°   | 476.8 | 476.8 | 476.8 | 476.8 | 476.8 | 476.8 | 476.8 | 476.8 | 476.8 | 476.8 | 476.8 |



TEST NUMBER: P333298

CATALOG NUMBER: S125DIP-S1270D365U835-4F0-1E-UDD-D

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1590.3 | 1590.3 | 1590.3 | 1590.3 | 1590.3 | 1590.3 | 1590.3 | 1590.3 |
| 2.5°   | 1586.7 | 1588.6 | 1590.6 | 1591.4 | 1591.1 | 1590.9 | 1590.6 | 1590.3 |
| 5°     | 1581.8 | 1584.6 | 1587.4 | 1588.6 | 1588.2 | 1587.9 | 1587.5 | 1587.2 |
| 7.5°   | 1568.6 | 1571.1 | 1573.5 | 1574.5 | 1574.2 | 1573.8 | 1573.5 | 1573.1 |
| 10°    | 1556.2 | 1558.6 | 1561.0 | 1562.1 | 1561.7 | 1561.4 | 1561.0 | 1560.7 |
| 12.5°  | 1541.3 | 1543.2 | 1545.1 | 1545.6 | 1544.7 | 1543.8 | 1542.9 | 1542.0 |
| 15°    | 1513.4 | 1515.5 | 1517.5 | 1517.9 | 1516.5 | 1515.1 | 1513.7 | 1512.3 |
| 17.5°  | 1477.8 | 1479.4 | 1481.0 | 1481.4 | 1480.5 | 1479.7 | 1478.9 | 1478.0 |
| 20°    | 1450.5 | 1451.5 | 1452.6 | 1453.1 | 1453.1 | 1453.1 | 1453.1 | 1453.1 |
| 22.5°  | 1422.4 | 1423.7 | 1425.0 | 1425.2 | 1424.4 | 1423.6 | 1422.7 | 1421.9 |
| 25°    | 1377.9 | 1379.3 | 1380.7 | 1380.5 | 1378.8 | 1377.0 | 1375.3 | 1373.6 |
| 27.5°  | 1326.3 | 1327.2 | 1328.2 | 1328.4 | 1327.7 | 1327.1 | 1326.5 | 1325.9 |
| 30°    | 1290.8 | 1291.5 | 1292.2 | 1292.3 | 1292.0 | 1291.6 | 1291.3 | 1290.9 |
| 32.5°  | 1257.1 | 1257.8 | 1258.5 | 1258.7 | 1258.3 | 1258.0 | 1257.6 | 1257.3 |
| 35°    | 1202.6 | 1203.6 | 1204.7 | 1205.2 | 1205.2 | 1205.2 | 1205.2 | 1205.2 |
| 37.5°  | 1145.3 | 1146.7 | 1148.1 | 1148.7 | 1148.5 | 1148.4 | 1148.3 | 1148.1 |
| 40°    | 1106.6 | 1108.0 | 1109.4 | 1110.4 | 1111.1 | 1111.8 | 1112.5 | 1113.2 |
| 42.5°  | 1071.0 | 1072.7 | 1074.3 | 1075.2 | 1075.4 | 1075.5 | 1075.7 | 1075.8 |
| 45°    | 1013.6 | 1016.0 | 1018.4 | 1019.8 | 1020.2 | 1020.5 | 1020.9 | 1021.2 |
| 47.5°  | 954.4  | 957.9  | 961.5  | 963.6  | 964.4  | 965.1  | 965.9  | 966.7  |
| 50°    | 915.0  | 918.8  | 922.7  | 925.1  | 926.1  | 927.2  | 928.2  | 929.2  |
| 52.5°  | 875.7  | 879.8  | 883.8  | 886.3  | 887.0  | 887.8  | 888.6  | 889.3  |
| 55°    | 813.7  | 817.5  | 821.3  | 823.9  | 825.3  | 826.7  | 828.1  | 829.5  |
| 57.5°  | 752.4  | 756.8  | 761.2  | 763.9  | 764.9  | 765.9  | 767.0  | 768.0  |
| 60°    | 710.4  | 715.6  | 720.8  | 723.9  | 725.0  | 726.0  | 727.1  | 728.1  |
| 62.5°  | 667.9  | 673.6  | 679.4  | 682.9  | 684.2  | 685.6  | 686.9  | 688.2  |
| 65°    | 604.4  | 609.6  | 614.8  | 618.1  | 619.5  | 620.9  | 622.3  | 623.6  |
| 67.5°  | 539.3  | 545.6  | 551.9  | 555.9  | 557.7  | 559.5  | 561.4  | 563.2  |
| 70°    | 494.9  | 501.5  | 508.1  | 512.4  | 514.5  | 516.6  | 518.7  | 520.7  |
| 72.5°  | 453.6  | 460.8  | 467.9  | 472.2  | 473.8  | 475.3  | 476.8  | 478.3  |
| 75°    | 391.2  | 398.1  | 405.0  | 409.4  | 411.1  | 412.8  | 414.6  | 416.3  |
| 77.5°  | 328.6  | 336.2  | 343.9  | 348.4  | 349.8  | 351.1  | 352.5  | 353.9  |
| 80°    | 291.2  | 298.8  | 306.5  | 311.0  | 312.3  | 313.7  | 315.1  | 316.5  |
| 82.5°  | 255.7  | 263.1  | 270.4  | 275.3  | 277.8  | 280.3  | 282.8  | 285.3  |
| 85°    | 207.0  | 214.6  | 222.3  | 227.5  | 230.2  | 233.0  | 235.8  | 238.5  |
| 87.5°  | 168.8  | 176.8  | 184.9  | 190.1  | 192.6  | 195.1  | 197.5  | 200.0  |
| 90°    | 150.2  | 158.6  | 166.9  | 172.5  | 175.1  | 177.8  | 180.4  | 183.1  |
| 92.5°  | 144.7  | 152.8  | 160.9  | 166.2  | 168.7  | 171.2  | 173.8  | 176.3  |
| 95°    | 135.5  | 143.5  | 151.5  | 156.8  | 159.2  | 161.6  | 164.0  | 166.5  |
| 97.5°  | 133.5  | 138.6  | 143.7  | 147.4  | 149.7  | 152.1  | 154.4  | 156.8  |
| 100°   | 152.4  | 148.0  | 143.6  | 142.2  | 144.0  | 145.8  | 147.5  | 149.3  |
| 102.5° | 182.8  | 187.6  | 192.4  | 193.2  | 189.9  | 186.6  | 183.4  | 180.1  |
| 105°   | 204.9  | 211.9  | 218.8  | 223.4  | 225.8  | 228.1  | 230.5  | 232.8  |
| 107.5° | 225.4  | 232.2  | 239.1  | 243.5  | 245.4  | 247.3  | 249.2  | 251.1  |
| 110°   | 238.0  | 244.3  | 250.7  | 255.1  | 257.6  | 260.1  | 262.6  | 265.1  |





TEST NUMBER: P333298

CATALOG NUMBER: S125DIP-S1270D365U835-4F0-1E-UDD-D

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 250.4 | 256.4 | 262.4 | 266.6 | 268.9 | 271.2 | 273.5 | 275.8 |
| 115°   | 269.9 | 275.8 | 281.7 | 285.5 | 287.1 | 288.7 | 290.3 | 291.9 |
| 117.5° | 287.9 | 293.4 | 298.9 | 302.7 | 304.8 | 307.0 | 309.1 | 311.3 |
| 120°   | 299.8 | 305.5 | 311.3 | 315.0 | 316.7 | 318.4 | 320.0 | 321.7 |
| 122.5° | 310.4 | 315.8 | 321.3 | 324.8 | 326.5 | 328.1 | 329.7 | 331.3 |
| 125°   | 326.3 | 331.5 | 336.7 | 340.1 | 341.6 | 343.1 | 344.6 | 346.1 |
| 127.5° | 339.8 | 344.7 | 349.7 | 352.9 | 354.3 | 355.7 | 357.2 | 358.6 |
| 130°   | 349.5 | 354.1 | 358.7 | 361.7 | 363.0 | 364.4 | 365.7 | 367.0 |
| 132.5° | 357.6 | 362.4 | 367.2 | 370.1 | 371.2 | 372.3 | 373.3 | 374.4 |
| 135°   | 368.6 | 373.0 | 377.3 | 380.1 | 381.4 | 382.7 | 383.9 | 385.2 |
| 137.5° | 380.1 | 384.2 | 388.3 | 390.9 | 391.9 | 392.8 | 393.8 | 394.8 |
| 140°   | 386.8 | 390.8 | 394.7 | 397.2 | 398.1 | 399.0 | 399.9 | 400.8 |
| 142.5° | 394.0 | 397.3 | 400.6 | 402.7 | 403.6 | 404.5 | 405.4 | 406.3 |
| 145°   | 405.5 | 407.3 | 409.2 | 410.5 | 411.4 | 412.3 | 413.3 | 414.2 |
| 147.5° | 416.2 | 416.9 | 417.5 | 417.9 | 417.9 | 418.0 | 418.0 | 418.1 |
| 150°   | 423.4 | 423.6 | 423.7 | 423.7 | 423.4 | 423.1 | 422.8 | 422.6 |
| 152.5° | 430.8 | 430.9 | 431.1 | 430.9 | 430.4 | 429.9 | 429.4 | 428.9 |
| 155°   | 440.9 | 441.1 | 441.4 | 441.2 | 440.6 | 439.9 | 439.3 | 438.7 |
| 157.5° | 449.3 | 449.5 | 449.8 | 449.6 | 449.0 | 448.3 | 447.7 | 447.1 |
| 160°   | 454.5 | 454.8 | 455.1 | 455.0 | 454.3 | 453.7 | 453.1 | 452.5 |
| 162.5° | 459.3 | 459.7 | 460.2 | 460.0 | 459.3 | 458.6 | 458.0 | 457.3 |
| 165°   | 465.4 | 465.9 | 466.4 | 466.3 | 465.7 | 465.0 | 464.4 | 463.8 |
| 167.5° | 470.1 | 470.6 | 471.2 | 471.1 | 470.4 | 469.7 | 469.0 | 468.3 |
| 170°   | 472.4 | 473.1 | 473.7 | 473.7 | 473.0 | 472.3 | 471.5 | 470.8 |
| 172.5° | 474.3 | 474.9 | 475.4 | 475.4 | 474.7 | 473.9 | 473.2 | 472.5 |
| 175°   | 476.3 | 477.0 | 477.6 | 477.6 | 476.8 | 476.1 | 475.4 | 474.7 |
| 177.5° | 477.2 | 477.6 | 478.0 | 478.0 | 477.5 | 477.0 | 476.5 | 476.0 |
| 180°   | 476.8 | 476.8 | 476.8 | 476.8 | 476.8 | 476.8 | 476.8 | 476.8 |

(END OF REPORT)