

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: P332586-840

Luminaire Tested: **S124DIP-S795D365U840-4F0-1E-UDD-F**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332586-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIP-S795D365U840-4F0-1E-UDD-F  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
UPLIGHT 365 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4917.5 lumens  
Efficiency: N/A  
Efficacy: 140.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Direct

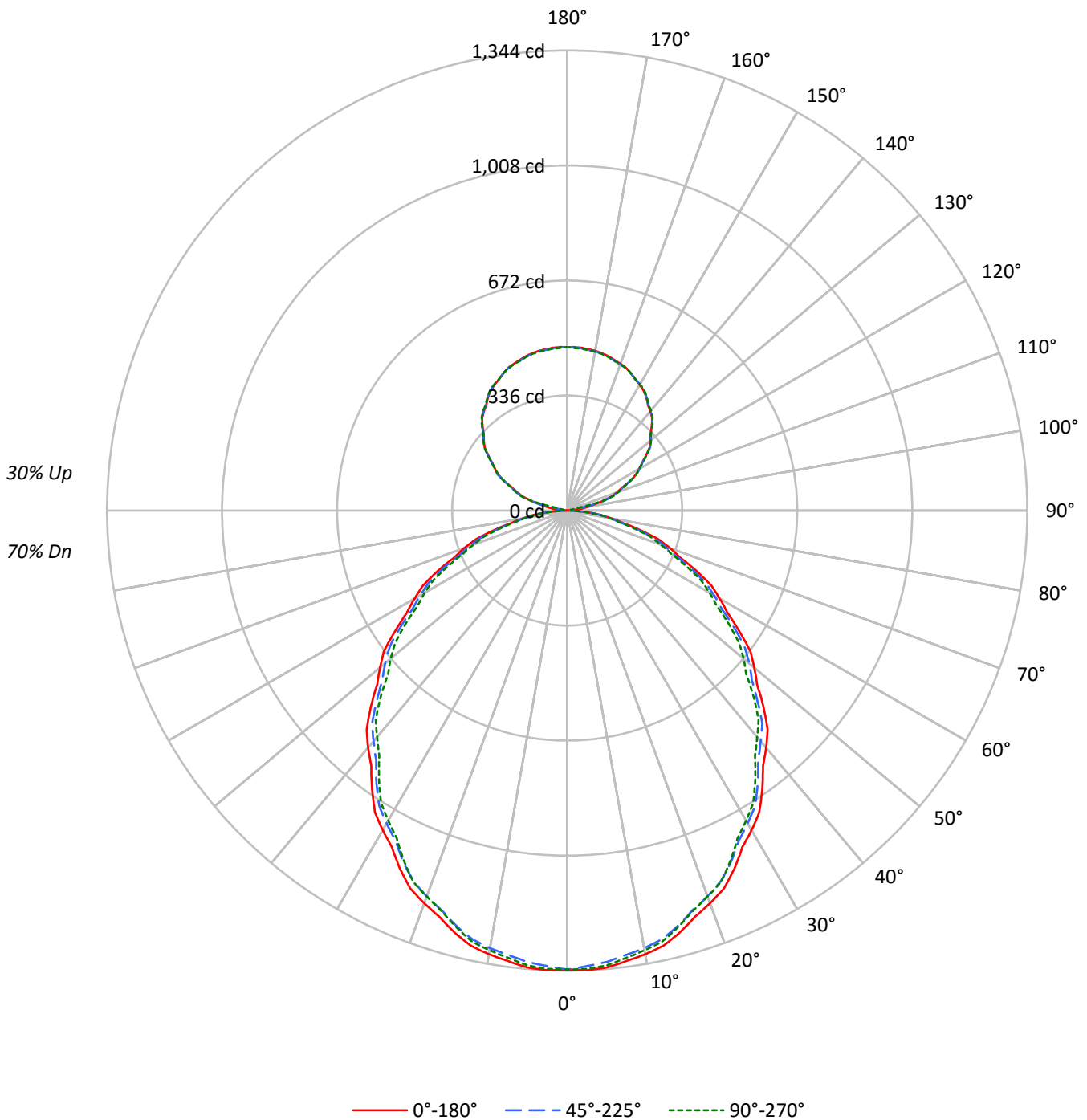
Input Watts (W): 35  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





TEST NUMBER: P332586-840

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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 | 106 | 106 | 106 | 106 | 94 | 94 | 94 | 84 | 84 | 84 | 74 | 74 | 74 | 70 |
| 1   | 102 | 98  | 94  | 90  | 96  | 93  | 89  | 86  | 83 | 80 | 78 | 74 | 72 | 70 | 66 | 64 | 63 | 59 |
| 2   | 93  | 85  | 79  | 74  | 88  | 81  | 75  | 70  | 73 | 68 | 64 | 65 | 62 | 58 | 58 | 55 | 53 | 49 |
| 3   | 85  | 75  | 67  | 61  | 80  | 71  | 64  | 59  | 64 | 59 | 54 | 57 | 53 | 49 | 51 | 48 | 45 | 42 |
| 4   | 78  | 67  | 58  | 52  | 73  | 63  | 56  | 50  | 57 | 51 | 46 | 51 | 46 | 42 | 46 | 42 | 39 | 36 |
| 5   | 72  | 59  | 51  | 45  | 67  | 57  | 49  | 43  | 51 | 45 | 40 | 46 | 41 | 37 | 41 | 37 | 34 | 31 |
| 6   | 66  | 53  | 45  | 39  | 62  | 51  | 43  | 38  | 46 | 40 | 35 | 42 | 36 | 32 | 38 | 33 | 30 | 27 |
| 7   | 61  | 48  | 40  | 34  | 58  | 46  | 39  | 33  | 42 | 36 | 31 | 38 | 33 | 29 | 34 | 30 | 27 | 24 |
| 8   | 57  | 44  | 36  | 31  | 54  | 42  | 35  | 30  | 38 | 32 | 28 | 35 | 30 | 26 | 32 | 27 | 24 | 22 |
| 9   | 53  | 40  | 33  | 27  | 50  | 39  | 31  | 26  | 35 | 29 | 25 | 32 | 27 | 23 | 29 | 25 | 22 | 20 |
| 10  | 50  | 37  | 30  | 25  | 47  | 36  | 29  | 24  | 33 | 27 | 22 | 30 | 25 | 21 | 27 | 23 | 20 | 18 |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 10823 | 10823 | 10823 |
| 5°  | 10855 | 10724 | 10802 |
| 10° | 10787 | 10637 | 10690 |
| 15° | 10657 | 10486 | 10513 |
| 20° | 10483 | 10299 | 10308 |
| 25° | 10286 | 10085 | 10056 |
| 30° | 10043 | 9833  | 9743  |
| 35° | 9792  | 9570  | 9443  |
| 40° | 9531  | 9271  | 9101  |
| 45° | 9259  | 8977  | 8805  |
| 50° | 8959  | 8715  | 8446  |
| 55° | 8633  | 8376  | 8103  |
| 60° | 8307  | 7995  | 7753  |
| 65° | 7941  | 7633  | 7324  |
| 70° | 7530  | 7152  | 6871  |
| 75° | 6903  | 6569  | 6400  |
| 80° | 6141  | 5890  | 5742  |
| 85° | 5372  | 5169  | 5067  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 126.2  | 2.6       |
| 10°-20°   | 355.7  | 7.2       |
| 20°-30°   | 523.5  | 10.6      |
| 30°-40°   | 608.6  | 12.4      |
| 40°-50°   | 608.7  | 12.4      |
| 50°-60°   | 532.4  | 10.8      |
| 60°-70°   | 395.4  | 8.0       |
| 70°-80°   | 224.6  | 4.6       |
| 80°-90°   | 66.2   | 1.3       |
| 90°-100°  | 16.3   | 0.3       |
| 100°-110° | 104.1  | 2.1       |
| 110°-120° | 199.1  | 4.0       |
| 120°-130° | 252.7  | 5.1       |
| 130°-140° | 270.4  | 5.5       |
| 140°-150° | 252.8  | 5.1       |
| 150°-160° | 203.9  | 4.1       |
| 160°-170° | 131.5  | 2.7       |
| 170°-180° | 45.3   | 0.9       |
| 0°-30°    | 1005.5 | 20.4      |
| 0°-40°    | 1614.1 | 32.8      |
| 0°-60°    | 2755.2 | 56.0      |
| 0°-90°    | 3441.4 | 70.0      |
| 90°-120°  | 319.5  | 6.5       |
| 90°-150°  | 1095.3 | 22.3      |
| 90°-180°  | 1476.0 | 30.0      |
| 0°-180°   | 4917.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1341 | 1341  | 1341 | 1341  | 1341 |      |
| 5°   | 1340 | 1335  | 1323 | 1334  | 1333 | 127  |
| 15°  | 1275 | 1270  | 1255 | 1260  | 1258 | 359  |
| 25°  | 1155 | 1147  | 1132 | 1133  | 1129 | 531  |
| 35°  | 994  | 986   | 971  | 964   | 958  | 621  |
| 45°  | 811  | 803   | 786  | 775   | 771  | 625  |
| 55°  | 613  | 609   | 595  | 583   | 576  | 549  |
| 65°  | 416  | 410   | 400  | 389   | 383  | 411  |
| 75°  | 221  | 216   | 211  | 206   | 205  | 235  |
| 85°  | 58   | 58    | 56   | 56    | 55   | 64   |
| 90°  | 1    | 5     | 8    | 10    | 11   | 4    |
| 95°  | 20   | 8     | 8    | 10    | 10   | 25   |
| 105° | 107  | 110   | 111  | 114   | 102  | 112  |
| 115° | 201  | 202   | 201  | 202   | 202  | 197  |
| 125° | 282  | 283   | 283  | 284   | 284  | 252  |
| 135° | 350  | 349   | 351  | 352   | 352  | 269  |
| 145° | 403  | 404   | 404  | 405   | 406  | 252  |
| 155° | 442  | 442   | 442  | 443   | 442  | 204  |
| 165° | 466  | 465   | 465  | 467   | 464  | 132  |
| 175° | 477  | 475   | 475  | 478   | 474  | 45   |
| 180° | 477  | 477   | 477  | 477   | 477  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1340.6 | 1340.6 | 1340.6 | 1340.6 | 1340.6 | 1340.6 | 1340.6 | 1340.6 | 1340.6 | 1340.6 | 1340.6 |
| 2.5°   | 1344.0 | 1343.4 | 1342.8 | 1342.3 | 1341.7 | 1340.4 | 1338.3 | 1336.2 | 1334.0 | 1332.0 | 1333.8 |
| 5°     | 1339.5 | 1338.6 | 1337.6 | 1336.7 | 1335.6 | 1333.8 | 1331.2 | 1328.6 | 1326.0 | 1323.3 | 1326.0 |
| 7.5°   | 1327.1 | 1326.1 | 1325.1 | 1324.1 | 1323.2 | 1321.3 | 1318.4 | 1315.5 | 1312.5 | 1309.6 | 1311.7 |
| 10°    | 1315.9 | 1314.9 | 1313.9 | 1313.0 | 1312.0 | 1310.0 | 1306.9 | 1303.8 | 1300.7 | 1297.6 | 1299.5 |
| 12.5°  | 1301.2 | 1300.3 | 1299.3 | 1298.4 | 1297.5 | 1295.3 | 1292.0 | 1288.7 | 1285.5 | 1282.1 | 1284.2 |
| 15°    | 1275.1 | 1274.0 | 1273.1 | 1272.1 | 1271.2 | 1269.0 | 1265.4 | 1261.8 | 1258.2 | 1254.7 | 1256.1 |
| 17.5°  | 1243.4 | 1242.2 | 1241.0 | 1239.9 | 1238.7 | 1236.4 | 1233.0 | 1229.6 | 1226.2 | 1222.8 | 1223.8 |
| 20°    | 1220.2 | 1219.0 | 1217.9 | 1216.7 | 1215.5 | 1213.0 | 1209.5 | 1205.9 | 1202.3 | 1198.8 | 1199.5 |
| 22.5°  | 1195.4 | 1193.8 | 1192.1 | 1190.6 | 1189.0 | 1186.5 | 1182.9 | 1179.3 | 1175.7 | 1172.2 | 1173.5 |
| 25°    | 1154.7 | 1153.1 | 1151.3 | 1149.7 | 1148.0 | 1145.5 | 1142.2 | 1138.8 | 1135.5 | 1132.2 | 1132.4 |
| 27.5°  | 1108.3 | 1106.6 | 1104.9 | 1103.2 | 1101.5 | 1099.0 | 1095.9 | 1092.9 | 1089.7 | 1086.6 | 1086.0 |
| 30°    | 1077.4 | 1075.5 | 1073.6 | 1071.7 | 1069.8 | 1067.2 | 1064.1 | 1061.1 | 1057.9 | 1054.8 | 1053.9 |
| 32.5°  | 1044.7 | 1043.0 | 1041.3 | 1039.6 | 1037.8 | 1035.3 | 1032.1 | 1028.7 | 1025.5 | 1022.2 | 1021.1 |
| 35°    | 993.6  | 991.9  | 990.3  | 988.6  | 986.9  | 984.4  | 981.1  | 977.8  | 974.4  | 971.1  | 969.4  |
| 37.5°  | 939.7  | 938.2  | 936.6  | 935.1  | 933.5  | 931.0  | 927.5  | 923.8  | 920.3  | 916.7  | 914.8  |
| 40°    | 904.4  | 902.5  | 900.6  | 898.7  | 896.8  | 894.0  | 890.5  | 886.9  | 883.3  | 879.7  | 877.4  |
| 42.5°  | 866.7  | 865.5  | 864.3  | 863.2  | 862.0  | 859.5  | 855.6  | 851.6  | 847.6  | 843.6  | 840.9  |
| 45°    | 811.0  | 809.3  | 807.7  | 806.0  | 804.4  | 801.5  | 797.8  | 794.0  | 790.1  | 786.3  | 783.7  |
| 47.5°  | 752.8  | 751.6  | 750.5  | 749.3  | 748.2  | 745.9  | 742.4  | 738.8  | 735.3  | 731.7  | 728.7  |
| 50°    | 713.3  | 712.3  | 711.3  | 710.3  | 709.4  | 707.3  | 704.0  | 700.6  | 697.2  | 693.9  | 690.5  |
| 52.5°  | 674.6  | 673.5  | 672.3  | 671.2  | 669.9  | 667.6  | 664.1  | 660.6  | 657.0  | 653.5  | 650.6  |
| 55°    | 613.4  | 612.6  | 611.9  | 611.2  | 610.5  | 608.4  | 605.1  | 601.8  | 598.4  | 595.1  | 592.2  |
| 57.5°  | 554.9  | 554.1  | 553.3  | 552.5  | 551.7  | 549.6  | 546.3  | 543.0  | 539.8  | 536.4  | 533.7  |
| 60°    | 514.5  | 513.3  | 512.1  | 511.0  | 509.8  | 507.6  | 504.5  | 501.4  | 498.3  | 495.2  | 493.0  |
| 62.5°  | 475.0  | 474.0  | 473.0  | 472.0  | 471.0  | 468.9  | 465.5  | 462.2  | 459.0  | 455.7  | 453.7  |
| 65°    | 415.7  | 414.5  | 413.3  | 412.1  | 410.9  | 409.1  | 406.8  | 404.3  | 401.9  | 399.6  | 397.2  |
| 67.5°  | 356.0  | 354.9  | 353.8  | 352.6  | 351.6  | 349.9  | 347.6  | 345.3  | 343.1  | 340.7  | 338.4  |
| 70°    | 319.0  | 317.4  | 315.7  | 314.0  | 312.4  | 310.5  | 308.6  | 306.7  | 304.8  | 303.0  | 301.0  |
| 72.5°  | 279.5  | 277.8  | 276.2  | 274.5  | 272.8  | 271.2  | 269.7  | 268.1  | 266.6  | 265.1  | 263.6  |
| 75°    | 221.3  | 220.0  | 218.9  | 217.7  | 216.5  | 215.3  | 214.1  | 212.9  | 211.8  | 210.6  | 209.5  |
| 77.5°  | 165.6  | 165.1  | 164.6  | 164.1  | 163.5  | 162.8  | 161.7  | 160.7  | 159.6  | 158.5  | 158.2  |
| 80°    | 132.1  | 131.4  | 130.7  | 130.0  | 129.3  | 128.7  | 128.2  | 127.7  | 127.2  | 126.7  | 126.2  |
| 82.5°  | 99.5   | 99.2   | 98.8   | 98.5   | 98.2   | 98.0   | 97.9   | 97.8   | 97.7   | 97.6   | 97.3   |
| 85°    | 58.0   | 58.0   | 58.0   | 58.0   | 58.0   | 57.8   | 57.3   | 56.9   | 56.4   | 55.8   | 55.8   |
| 87.5°  | 22.5   | 22.5   | 22.5   | 22.5   | 22.5   | 22.4   | 22.4   | 22.3   | 22.2   | 22.2   | 22.3   |
| 90°    | 1.1    | 1.9    | 2.8    | 3.7    | 4.5    | 5.4    | 6.0    | 6.6    | 7.2    | 7.9    | 8.3    |
| 92.5°  | 4.5    | 4.5    | 4.5    | 4.6    | 4.6    | 5.0    | 5.7    | 6.3    | 7.0    | 7.6    | 8.1    |
| 95°    | 19.6   | 17.0   | 14.2   | 11.5   | 8.9    | 7.6    | 7.6    | 7.7    | 7.8    | 7.9    | 8.3    |
| 97.5°  | 41.7   | 43.3   | 45.0   | 46.8   | 48.4   | 44.8   | 36.0   | 27.2   | 18.3   | 9.4    | 9.5    |
| 100°   | 58.6   | 60.0   | 61.4   | 62.8   | 64.2   | 59.5   | 48.6   | 37.6   | 26.7   | 15.8   | 14.3   |
| 102.5° | 77.4   | 78.5   | 79.5   | 80.5   | 81.6   | 81.4   | 80.0   | 78.6   | 77.1   | 75.6   | 61.1   |
| 105°   | 107.4  | 107.9  | 108.4  | 108.9  | 109.4  | 109.8  | 110.2  | 110.6  | 111.0  | 111.4  | 112.1  |
| 107.5° | 135.3  | 135.5  | 135.8  | 136.0  | 136.3  | 136.6  | 137.2  | 137.7  | 138.3  | 138.9  | 139.2  |
| 110°   | 154.2  | 154.4  | 154.6  | 154.9  | 155.1  | 155.5  | 155.9  | 156.4  | 156.9  | 157.4  | 157.5  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 172.5 | 172.9 | 173.3 | 173.7 | 174.2 | 174.5 | 174.7 | 174.9 | 175.1 | 175.4 | 175.3 |
| 115°   | 200.6 | 200.9 | 201.1 | 201.3 | 201.6 | 201.6 | 201.6 | 201.5 | 201.4 | 201.3 | 201.5 |
| 117.5° | 225.9 | 226.2 | 226.5 | 226.9 | 227.2 | 227.4 | 227.6 | 227.8 | 227.9 | 228.1 | 228.1 |
| 120°   | 243.1 | 243.4 | 243.7 | 244.0 | 244.3 | 244.4 | 244.4 | 244.3 | 244.2 | 244.1 | 244.3 |
| 122.5° | 259.0 | 259.2 | 259.4 | 259.6 | 259.8 | 259.9 | 260.0 | 260.1 | 260.2 | 260.4 | 260.4 |
| 125°   | 282.0 | 282.3 | 282.6 | 282.9 | 283.3 | 283.3 | 283.2 | 283.0 | 282.9 | 282.7 | 282.9 |
| 127.5° | 303.7 | 303.8 | 303.8 | 303.9 | 304.0 | 304.2 | 304.6 | 304.9 | 305.3 | 305.7 | 305.6 |
| 130°   | 317.6 | 317.7 | 317.8 | 317.9 | 318.0 | 318.1 | 318.3 | 318.6 | 318.8 | 319.1 | 319.1 |
| 132.5° | 330.5 | 330.6 | 330.7 | 330.9 | 331.0 | 331.2 | 331.5 | 331.8 | 332.1 | 332.4 | 332.5 |
| 135°   | 349.7 | 349.7 | 349.6 | 349.5 | 349.4 | 349.5 | 349.9 | 350.2 | 350.5 | 350.8 | 351.0 |
| 137.5° | 366.8 | 366.9 | 366.9 | 366.9 | 367.0 | 367.2 | 367.5 | 367.8 | 368.2 | 368.5 | 368.7 |
| 140°   | 378.0 | 378.1 | 378.3 | 378.4 | 378.6 | 378.7 | 378.9 | 379.1 | 379.2 | 379.4 | 379.6 |
| 142.5° | 388.0 | 388.2 | 388.5 | 388.8 | 389.1 | 389.3 | 389.4 | 389.5 | 389.6 | 389.7 | 389.8 |
| 145°   | 403.3 | 403.5 | 403.7 | 404.0 | 404.2 | 404.3 | 404.3 | 404.3 | 404.3 | 404.3 | 404.5 |
| 147.5° | 415.5 | 416.0 | 416.4 | 416.9 | 417.3 | 417.5 | 417.4 | 417.3 | 417.2 | 417.2 | 417.2 |
| 150°   | 424.3 | 424.6 | 425.0 | 425.4 | 425.7 | 425.8 | 425.7 | 425.6 | 425.5 | 425.5 | 425.5 |
| 152.5° | 431.8 | 432.0 | 432.3 | 432.5 | 432.8 | 432.8 | 432.7 | 432.5 | 432.4 | 432.3 | 432.4 |
| 155°   | 442.2 | 442.3 | 442.3 | 442.4 | 442.5 | 442.4 | 442.2 | 441.9 | 441.7 | 441.5 | 441.8 |
| 157.5° | 451.0 | 450.9 | 450.9 | 450.8 | 450.8 | 450.6 | 450.4 | 450.1 | 449.8 | 449.6 | 450.0 |
| 160°   | 456.2 | 455.9 | 455.7 | 455.4 | 455.1 | 455.0 | 454.9 | 454.8 | 454.7 | 454.6 | 455.1 |
| 162.5° | 460.7 | 460.4 | 460.1 | 459.8 | 459.5 | 459.3 | 459.2 | 459.1 | 459.1 | 459.0 | 459.5 |
| 165°   | 466.5 | 466.1 | 465.6 | 465.2 | 464.8 | 464.6 | 464.6 | 464.6 | 464.6 | 464.6 | 465.3 |
| 167.5° | 471.0 | 470.6 | 470.2 | 469.8 | 469.4 | 469.2 | 469.1 | 469.1 | 469.0 | 469.0 | 469.7 |
| 170°   | 473.6 | 473.1 | 472.6 | 472.2 | 471.7 | 471.5 | 471.6 | 471.7 | 471.7 | 471.8 | 472.4 |
| 172.5° | 475.3 | 474.8 | 474.3 | 473.9 | 473.4 | 473.2 | 473.3 | 473.4 | 473.4 | 473.5 | 474.1 |
| 175°   | 477.2 | 476.7 | 476.3 | 475.7 | 475.2 | 475.0 | 475.1 | 475.2 | 475.3 | 475.3 | 476.2 |
| 177.5° | 478.1 | 477.6 | 477.2 | 476.7 | 476.3 | 476.1 | 476.3 | 476.4 | 476.5 | 476.6 | 477.2 |
| 180°   | 477.2 | 477.2 | 477.2 | 477.2 | 477.2 | 477.2 | 477.2 | 477.2 | 477.2 | 477.2 | 477.2 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1340.6 | 1340.6 | 1340.6 | 1340.6 | 1340.6 | 1340.6 | 1340.6 | 1340.6 |
| 2.5°   | 1335.7 | 1337.7 | 1339.6 | 1340.5 | 1340.3 | 1340.1 | 1339.9 | 1339.7 |
| 5°     | 1328.6 | 1331.2 | 1333.8 | 1334.9 | 1334.4 | 1334.0 | 1333.5 | 1333.0 |
| 7.5°   | 1313.8 | 1316.0 | 1318.0 | 1318.9 | 1318.7 | 1318.4 | 1318.1 | 1317.8 |
| 10°    | 1301.4 | 1303.3 | 1305.3 | 1306.0 | 1305.5 | 1304.9 | 1304.5 | 1304.0 |
| 12.5°  | 1286.4 | 1288.4 | 1290.5 | 1291.2 | 1290.6 | 1289.9 | 1289.2 | 1288.6 |
| 15°    | 1257.5 | 1258.9 | 1260.3 | 1260.7 | 1260.0 | 1259.3 | 1258.6 | 1257.9 |
| 17.5°  | 1224.7 | 1225.6 | 1226.5 | 1226.7 | 1226.2 | 1225.7 | 1225.3 | 1224.8 |
| 20°    | 1200.2 | 1200.9 | 1201.6 | 1201.7 | 1201.2 | 1200.8 | 1200.3 | 1199.8 |
| 22.5°  | 1174.7 | 1176.0 | 1177.3 | 1177.5 | 1176.6 | 1175.8 | 1174.9 | 1174.1 |
| 25°    | 1132.7 | 1132.9 | 1133.2 | 1132.8 | 1131.9 | 1130.8 | 1129.9 | 1128.9 |
| 27.5°  | 1085.5 | 1084.9 | 1084.3 | 1083.5 | 1082.3 | 1081.1 | 1079.8 | 1078.6 |
| 30°    | 1052.9 | 1052.0 | 1051.0 | 1050.0 | 1048.7 | 1047.5 | 1046.3 | 1045.2 |
| 32.5°  | 1019.9 | 1018.8 | 1017.6 | 1016.4 | 1015.2 | 1014.0 | 1012.8 | 1011.7 |
| 35°    | 967.8  | 966.0  | 964.3  | 962.9  | 961.7  | 960.6  | 959.4  | 958.2  |
| 37.5°  | 913.0  | 911.2  | 909.5  | 907.8  | 906.2  | 904.6  | 903.0  | 901.4  |
| 40°    | 874.9  | 872.6  | 870.2  | 868.4  | 867.2  | 866.1  | 864.8  | 863.6  |
| 42.5°  | 838.1  | 835.4  | 832.5  | 830.8  | 830.0  | 829.2  | 828.4  | 827.6  |
| 45°    | 781.0  | 778.4  | 775.8  | 774.2  | 773.4  | 772.6  | 771.9  | 771.2  |
| 47.5°  | 725.8  | 722.9  | 719.8  | 717.5  | 715.7  | 713.9  | 712.1  | 710.2  |
| 50°    | 687.2  | 683.9  | 680.5  | 678.1  | 676.7  | 675.3  | 673.9  | 672.5  |
| 52.5°  | 647.6  | 644.6  | 641.7  | 639.3  | 637.5  | 635.7  | 633.9  | 632.1  |
| 55°    | 589.4  | 586.5  | 583.6  | 581.5  | 580.1  | 578.7  | 577.1  | 575.7  |
| 57.5°  | 531.0  | 528.3  | 525.5  | 523.5  | 522.1  | 520.7  | 519.4  | 518.0  |
| 60°    | 490.9  | 488.8  | 486.6  | 484.9  | 483.7  | 482.5  | 481.3  | 480.2  |
| 62.5°  | 451.7  | 449.8  | 447.9  | 446.3  | 445.0  | 443.8  | 442.7  | 441.5  |
| 65°    | 394.9  | 392.4  | 390.0  | 388.3  | 387.1  | 385.9  | 384.7  | 383.4  |
| 67.5°  | 336.2  | 333.9  | 331.5  | 330.2  | 329.9  | 329.6  | 329.2  | 328.9  |
| 70°    | 299.1  | 297.2  | 295.3  | 294.0  | 293.3  | 292.6  | 291.9  | 291.1  |
| 72.5°  | 262.1  | 260.5  | 259.0  | 257.9  | 257.1  | 256.4  | 255.7  | 255.0  |
| 75°    | 208.6  | 207.6  | 206.7  | 206.1  | 205.9  | 205.6  | 205.4  | 205.2  |
| 77.5°  | 157.9  | 157.6  | 157.4  | 156.9  | 156.3  | 155.7  | 155.1  | 154.5  |
| 80°    | 125.8  | 125.3  | 124.8  | 124.5  | 124.2  | 124.0  | 123.8  | 123.5  |
| 82.5°  | 96.9   | 96.6   | 96.3   | 96.1   | 95.9   | 95.6   | 95.4   | 95.1   |
| 85°    | 55.8   | 55.8   | 55.8   | 55.7   | 55.5   | 55.2   | 55.0   | 54.7   |
| 87.5°  | 22.4   | 22.5   | 22.6   | 22.6   | 22.6   | 22.7   | 22.7   | 22.7   |
| 90°    | 8.8    | 9.3    | 9.8    | 10.1   | 10.2   | 10.4   | 10.5   | 10.7   |
| 92.5°  | 8.5    | 9.0    | 9.5    | 9.7    | 9.8    | 9.8    | 9.8    | 9.9    |
| 95°    | 8.8    | 9.3    | 9.8    | 10.0   | 10.1   | 10.2   | 10.3   | 10.3   |
| 97.5°  | 9.5    | 9.6    | 9.6    | 9.7    | 9.8    | 9.8    | 9.9    | 10.0   |
| 100°   | 13.0   | 11.6   | 10.3   | 9.7    | 9.8    | 9.8    | 9.9    | 10.0   |
| 102.5° | 46.6   | 32.0   | 17.5   | 10.2   | 10.2   | 10.2   | 10.3   | 10.3   |
| 105°   | 112.8  | 113.5  | 114.2  | 113.1  | 110.3  | 107.4  | 104.5  | 101.7  |
| 107.5° | 139.6  | 139.9  | 140.3  | 140.6  | 140.9  | 141.2  | 141.5  | 141.8  |
| 110°   | 157.7  | 157.8  | 158.0  | 158.2  | 158.4  | 158.8  | 159.0  | 159.2  |





TEST NUMBER: P332586-840

CATALOG NUMBER: S124DIP-S795D365U840-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 175.3 | 175.3 | 175.2 | 175.4 | 175.7 | 176.0 | 176.3 | 176.6 |
| 115°   | 201.6 | 201.8 | 202.0 | 202.0 | 202.0 | 202.0 | 202.0 | 202.0 |
| 117.5° | 228.0 | 228.0 | 228.0 | 227.9 | 227.9 | 227.9 | 227.9 | 227.8 |
| 120°   | 244.4 | 244.6 | 244.8 | 244.8 | 244.6 | 244.4 | 244.3 | 244.1 |
| 122.5° | 260.5 | 260.6 | 260.7 | 260.7 | 260.5 | 260.4 | 260.2 | 260.1 |
| 125°   | 283.2 | 283.4 | 283.6 | 283.8 | 283.9 | 284.0 | 284.0 | 284.1 |
| 127.5° | 305.6 | 305.5 | 305.5 | 305.4 | 305.4 | 305.3 | 305.2 | 305.2 |
| 130°   | 319.2 | 319.3 | 319.4 | 319.4 | 319.4 | 319.4 | 319.4 | 319.4 |
| 132.5° | 332.6 | 332.8 | 332.9 | 332.9 | 332.8 | 332.6 | 332.6 | 332.5 |
| 135°   | 351.1 | 351.3 | 351.4 | 351.6 | 351.7 | 351.9 | 352.1 | 352.2 |
| 137.5° | 368.9 | 369.1 | 369.2 | 369.3 | 369.2 | 369.2 | 369.1 | 369.1 |
| 140°   | 379.8 | 380.1 | 380.3 | 380.5 | 380.6 | 380.6 | 380.7 | 380.8 |
| 142.5° | 390.0 | 390.2 | 390.3 | 390.4 | 390.5 | 390.5 | 390.5 | 390.5 |
| 145°   | 404.6 | 404.7 | 404.7 | 404.8 | 405.0 | 405.2 | 405.3 | 405.5 |
| 147.5° | 417.3 | 417.4 | 417.4 | 417.5 | 417.6 | 417.6 | 417.7 | 417.8 |
| 150°   | 425.5 | 425.5 | 425.5 | 425.5 | 425.6 | 425.7 | 425.7 | 425.8 |
| 152.5° | 432.5 | 432.6 | 432.8 | 432.8 | 432.7 | 432.7 | 432.7 | 432.6 |
| 155°   | 442.1 | 442.4 | 442.7 | 442.8 | 442.5 | 442.3 | 442.1 | 441.8 |
| 157.5° | 450.4 | 450.8 | 451.2 | 451.2 | 450.8 | 450.4 | 450.0 | 449.6 |
| 160°   | 455.7 | 456.2 | 456.6 | 456.6 | 456.2 | 455.7 | 455.1 | 454.6 |
| 162.5° | 459.9 | 460.4 | 460.9 | 460.8 | 460.3 | 459.8 | 459.2 | 458.7 |
| 165°   | 466.0 | 466.6 | 467.3 | 467.2 | 466.5 | 465.7 | 465.0 | 464.3 |
| 167.5° | 470.4 | 471.1 | 471.7 | 471.7 | 470.9 | 470.1 | 469.3 | 468.6 |
| 170°   | 473.1 | 473.7 | 474.3 | 474.2 | 473.5 | 472.7 | 471.9 | 471.1 |
| 172.5° | 474.8 | 475.4 | 476.1 | 475.9 | 475.1 | 474.2 | 473.4 | 472.5 |
| 175°   | 476.9 | 477.6 | 478.3 | 478.2 | 477.2 | 476.3 | 475.2 | 474.3 |
| 177.5° | 477.7 | 478.2 | 478.7 | 478.5 | 477.8 | 477.0 | 476.3 | 475.4 |
| 180°   | 477.2 | 477.2 | 477.2 | 477.2 | 477.2 | 477.2 | 477.2 | 477.2 |

(END OF REPORT)