

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: P332587-830

Luminaire Tested: **S124DIP-S795D365U830-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332587-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIP-S795D365U830-4F0-1E-UDD-F1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4406.8 lumens
Efficiency: N/A
Efficacy: 125.9 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

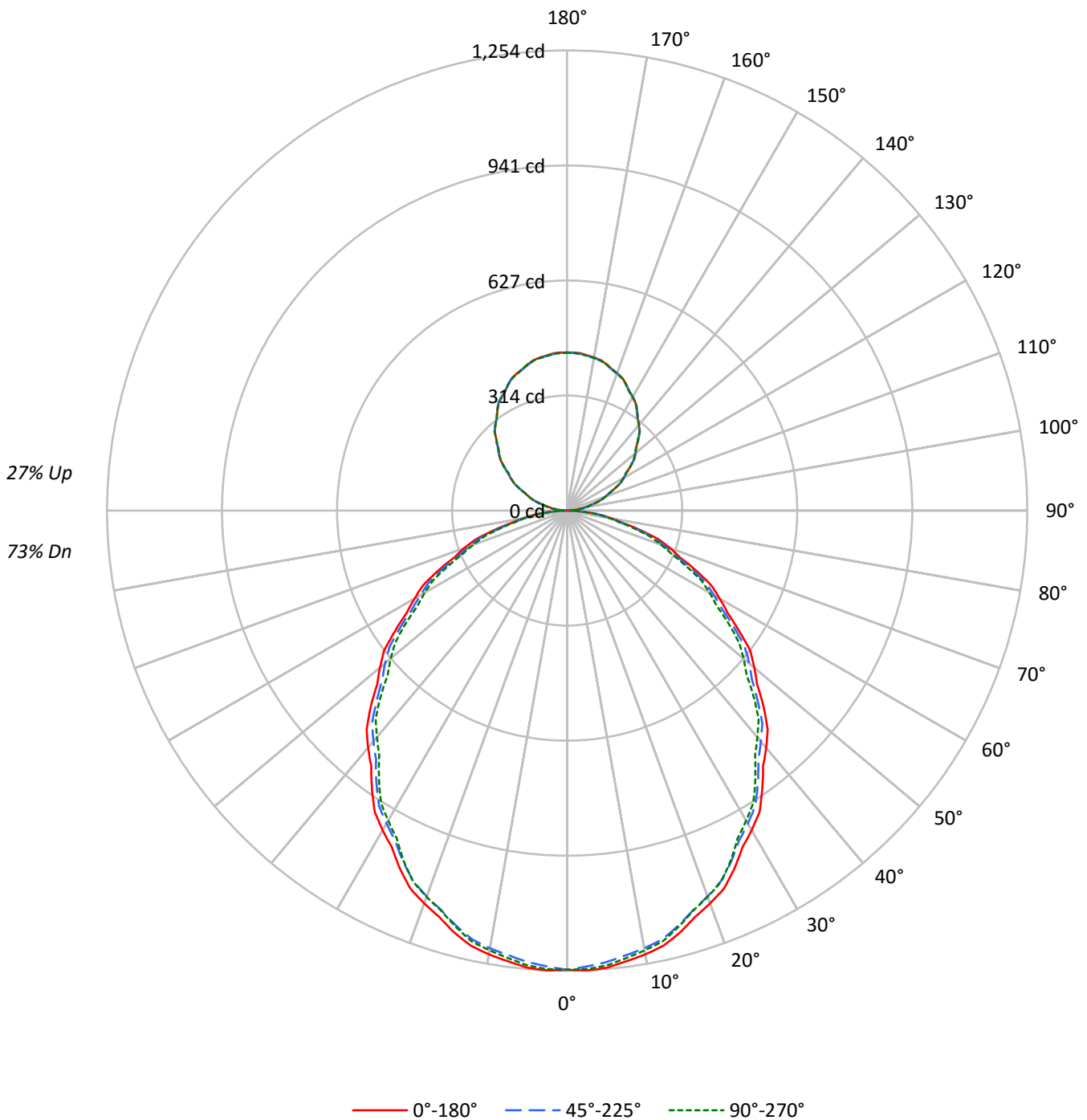
Input Watts (W): 35
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332587-830

CATALOG NUMBER: S124DIP-S795D365U830-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P332587-830

CATALOG NUMBER: S124DIP-S795D365U830-4F0-1E-UDD-F1

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 | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 96 | 96 | 96 | 86 | 86 | 86 | 77 | 77 | 77 | 73 |
| 1 | 103 | 98 | 94 | 91 | 97 | 93 | 90 | 87 | 84 | 82 | 79 | 76 | 74 | 72 | 68 | 67 | 65 | 61 |
| 2 | 94 | 86 | 79 | 74 | 89 | 82 | 76 | 71 | 74 | 69 | 65 | 67 | 63 | 60 | 60 | 57 | 55 | 51 |
| 3 | 85 | 76 | 68 | 62 | 81 | 72 | 65 | 60 | 65 | 60 | 55 | 59 | 55 | 51 | 53 | 50 | 47 | 43 |
| 4 | 78 | 67 | 59 | 52 | 74 | 64 | 56 | 51 | 58 | 52 | 47 | 53 | 48 | 44 | 48 | 44 | 40 | 37 |
| 5 | 72 | 60 | 51 | 45 | 68 | 57 | 49 | 44 | 52 | 46 | 41 | 47 | 42 | 38 | 43 | 39 | 35 | 32 |
| 6 | 66 | 54 | 45 | 39 | 63 | 51 | 44 | 38 | 47 | 41 | 36 | 43 | 37 | 33 | 39 | 34 | 31 | 28 |
| 7 | 62 | 49 | 40 | 35 | 58 | 47 | 39 | 34 | 43 | 36 | 32 | 39 | 34 | 30 | 36 | 31 | 28 | 25 |
| 8 | 57 | 44 | 36 | 31 | 54 | 43 | 35 | 30 | 39 | 33 | 28 | 36 | 30 | 26 | 33 | 28 | 25 | 23 |
| 9 | 53 | 41 | 33 | 28 | 51 | 39 | 32 | 27 | 36 | 30 | 25 | 33 | 28 | 24 | 30 | 26 | 22 | 20 |
| 10 | 50 | 37 | 30 | 25 | 47 | 36 | 29 | 24 | 33 | 27 | 23 | 31 | 25 | 22 | 28 | 24 | 20 | 18 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 10101 | 10101 | 10101 |
| 5° | 10131 | 10009 | 10083 |
| 10° | 10067 | 9928 | 9977 |
| 15° | 9947 | 9787 | 9812 |
| 20° | 9784 | 9613 | 9620 |
| 25° | 9600 | 9413 | 9386 |
| 30° | 9374 | 9177 | 9093 |
| 35° | 9140 | 8932 | 8814 |
| 40° | 8896 | 8652 | 8495 |
| 45° | 8643 | 8379 | 8218 |
| 50° | 8361 | 8133 | 7882 |
| 55° | 8058 | 7817 | 7562 |
| 60° | 7753 | 7463 | 7237 |
| 65° | 7412 | 7125 | 6837 |
| 70° | 7027 | 6675 | 6413 |
| 75° | 6441 | 6129 | 5973 |
| 80° | 5732 | 5500 | 5360 |
| 85° | 5011 | 4826 | 4733 |



TEST NUMBER: P332587-830

CATALOG NUMBER: S124DIP-S795D365U830-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 117.8 | 2.7 |
| 10°-20° | 332.0 | 7.5 |
| 20°-30° | 488.6 | 11.1 |
| 30°-40° | 568.1 | 12.9 |
| 40°-50° | 568.1 | 12.9 |
| 50°-60° | 496.9 | 11.3 |
| 60°-70° | 369.0 | 8.4 |
| 70°-80° | 209.7 | 4.8 |
| 80°-90° | 61.8 | 1.4 |
| 90°-100° | 28.4 | 0.6 |
| 100°-110° | 84.2 | 1.9 |
| 110°-120° | 142.8 | 3.2 |
| 120°-130° | 188.3 | 4.3 |
| 130°-140° | 211.5 | 4.8 |
| 140°-150° | 207.8 | 4.7 |
| 150°-160° | 174.8 | 4.0 |
| 160°-170° | 116.3 | 2.6 |
| 170°-180° | 40.7 | 0.9 |
| 0°-30° | 938.5 | 21.3 |
| 0°-40° | 1506.5 | 34.2 |
| 0°-60° | 2571.5 | 58.4 |
| 0°-90° | 3212.0 | 72.9 |
| 90°-120° | 255.4 | 5.8 |
| 90°-150° | 863.0 | 19.6 |
| 90°-180° | 1195.0 | 27.1 |
| 0°-180° | 4406.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1251 | 1251 | 1251 | 1251 | 1251 | |
| 5° | 1250 | 1246 | 1235 | 1245 | 1244 | 119 |
| 15° | 1190 | 1185 | 1171 | 1176 | 1174 | 335 |
| 25° | 1078 | 1070 | 1057 | 1057 | 1054 | 496 |
| 35° | 927 | 920 | 906 | 899 | 894 | 580 |
| 45° | 757 | 749 | 734 | 723 | 720 | 583 |
| 55° | 572 | 569 | 555 | 544 | 537 | 513 |
| 65° | 388 | 383 | 373 | 363 | 358 | 384 |
| 75° | 206 | 202 | 196 | 193 | 192 | 219 |
| 85° | 54 | 54 | 52 | 52 | 51 | 60 |
| 90° | 1 | 5 | 7 | 9 | 10 | 4 |
| 95° | 20 | 23 | 25 | 26 | 26 | 22 |
| 105° | 78 | 78 | 79 | 80 | 81 | 82 |
| 115° | 145 | 145 | 145 | 144 | 144 | 143 |
| 125° | 212 | 211 | 211 | 210 | 210 | 188 |
| 135° | 273 | 275 | 275 | 274 | 273 | 211 |
| 145° | 331 | 333 | 333 | 333 | 332 | 207 |
| 155° | 380 | 380 | 379 | 380 | 379 | 175 |
| 165° | 413 | 412 | 412 | 413 | 412 | 116 |
| 175° | 430 | 428 | 428 | 430 | 428 | 41 |
| 180° | 431 | 431 | 431 | 431 | 431 | |



TEST NUMBER: P332587-830

CATALOG NUMBER: S124DIP-S795D365U830-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1251.2 | 1251.2 | 1251.2 | 1251.2 | 1251.2 | 1251.2 | 1251.2 | 1251.2 | 1251.2 | 1251.2 | 1251.2 |
| 2.5° | 1254.4 | 1253.9 | 1253.3 | 1252.8 | 1252.3 | 1251.0 | 1249.1 | 1247.1 | 1245.1 | 1243.2 | 1244.9 |
| 5° | 1250.2 | 1249.3 | 1248.4 | 1247.5 | 1246.6 | 1244.9 | 1242.5 | 1240.0 | 1237.6 | 1235.1 | 1237.6 |
| 7.5° | 1238.6 | 1237.7 | 1236.8 | 1235.9 | 1235.0 | 1233.2 | 1230.5 | 1227.8 | 1225.0 | 1222.3 | 1224.3 |
| 10° | 1228.1 | 1227.3 | 1226.3 | 1225.5 | 1224.6 | 1222.7 | 1219.7 | 1216.9 | 1214.0 | 1211.1 | 1212.9 |
| 12.5° | 1214.5 | 1213.6 | 1212.7 | 1211.8 | 1211.0 | 1208.9 | 1205.9 | 1202.8 | 1199.8 | 1196.7 | 1198.6 |
| 15° | 1190.1 | 1189.1 | 1188.3 | 1187.3 | 1186.5 | 1184.4 | 1181.0 | 1177.7 | 1174.3 | 1171.0 | 1172.3 |
| 17.5° | 1160.6 | 1159.4 | 1158.3 | 1157.3 | 1156.1 | 1154.0 | 1150.8 | 1147.6 | 1144.4 | 1141.3 | 1142.2 |
| 20° | 1138.9 | 1137.7 | 1136.7 | 1135.6 | 1134.4 | 1132.2 | 1128.9 | 1125.5 | 1122.2 | 1118.9 | 1119.6 |
| 22.5° | 1115.7 | 1114.2 | 1112.7 | 1111.3 | 1109.7 | 1107.4 | 1104.0 | 1100.7 | 1097.3 | 1094.0 | 1095.2 |
| 25° | 1077.7 | 1076.2 | 1074.6 | 1073.1 | 1071.5 | 1069.1 | 1066.0 | 1062.9 | 1059.8 | 1056.7 | 1056.9 |
| 27.5° | 1034.4 | 1032.8 | 1031.2 | 1029.6 | 1028.0 | 1025.8 | 1022.8 | 1020.0 | 1017.1 | 1014.2 | 1013.6 |
| 30° | 1005.6 | 1003.8 | 1002.0 | 1000.2 | 998.4 | 996.1 | 993.2 | 990.3 | 987.4 | 984.5 | 983.6 |
| 32.5° | 975.1 | 973.5 | 971.9 | 970.3 | 968.7 | 966.3 | 963.3 | 960.2 | 957.2 | 954.0 | 953.0 |
| 35° | 927.4 | 925.8 | 924.3 | 922.7 | 921.1 | 918.8 | 915.7 | 912.6 | 909.5 | 906.3 | 904.7 |
| 37.5° | 877.0 | 875.6 | 874.2 | 872.8 | 871.3 | 868.9 | 865.6 | 862.2 | 858.9 | 855.5 | 853.8 |
| 40° | 844.1 | 842.4 | 840.6 | 838.8 | 837.0 | 834.4 | 831.1 | 827.7 | 824.4 | 821.0 | 818.9 |
| 42.5° | 808.9 | 807.8 | 806.7 | 805.7 | 804.6 | 802.2 | 798.5 | 794.8 | 791.1 | 787.4 | 784.9 |
| 45° | 757.0 | 755.4 | 753.8 | 752.2 | 750.7 | 748.1 | 744.6 | 741.0 | 737.4 | 733.9 | 731.4 |
| 47.5° | 702.6 | 701.5 | 700.5 | 699.4 | 698.3 | 696.2 | 692.9 | 689.6 | 686.3 | 683.0 | 680.1 |
| 50° | 665.7 | 664.8 | 663.9 | 663.0 | 662.1 | 660.2 | 657.0 | 653.9 | 650.7 | 647.6 | 644.5 |
| 52.5° | 629.6 | 628.6 | 627.5 | 626.4 | 625.3 | 623.1 | 619.8 | 616.5 | 613.2 | 609.9 | 607.2 |
| 55° | 572.5 | 571.7 | 571.1 | 570.4 | 569.8 | 567.9 | 564.8 | 561.7 | 558.6 | 555.4 | 552.7 |
| 57.5° | 517.9 | 517.2 | 516.4 | 515.7 | 514.9 | 512.9 | 509.9 | 506.8 | 503.8 | 500.7 | 498.1 |
| 60° | 480.2 | 479.1 | 478.0 | 476.9 | 475.8 | 473.7 | 470.9 | 468.0 | 465.1 | 462.2 | 460.1 |
| 62.5° | 443.4 | 442.4 | 441.5 | 440.5 | 439.6 | 437.6 | 434.5 | 431.4 | 428.4 | 425.3 | 423.5 |
| 65° | 388.0 | 386.9 | 385.8 | 384.7 | 383.5 | 381.8 | 379.7 | 377.4 | 375.1 | 373.0 | 370.7 |
| 67.5° | 332.2 | 331.2 | 330.2 | 329.1 | 328.2 | 326.6 | 324.4 | 322.3 | 320.2 | 318.0 | 315.8 |
| 70° | 297.7 | 296.2 | 294.6 | 293.0 | 291.5 | 289.8 | 288.0 | 286.3 | 284.5 | 282.8 | 281.0 |
| 72.5° | 260.9 | 259.3 | 257.8 | 256.2 | 254.6 | 253.2 | 251.8 | 250.2 | 248.8 | 247.4 | 246.0 |
| 75° | 206.5 | 205.4 | 204.3 | 203.2 | 202.1 | 201.0 | 199.8 | 198.7 | 197.7 | 196.5 | 195.6 |
| 77.5° | 154.6 | 154.1 | 153.6 | 153.2 | 152.6 | 151.9 | 150.9 | 150.0 | 148.9 | 148.0 | 147.7 |
| 80° | 123.3 | 122.6 | 122.0 | 121.3 | 120.6 | 120.1 | 119.6 | 119.2 | 118.8 | 118.3 | 117.8 |
| 82.5° | 92.8 | 92.6 | 92.2 | 91.9 | 91.6 | 91.4 | 91.3 | 91.2 | 91.1 | 91.0 | 90.8 |
| 85° | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 53.9 | 53.4 | 53.1 | 52.6 | 52.1 | 52.1 |
| 87.5° | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 20.9 | 20.9 | 20.8 | 20.7 | 20.7 | 20.8 |
| 90° | 1.0 | 1.8 | 2.6 | 3.5 | 4.2 | 5.0 | 5.6 | 6.1 | 6.7 | 7.4 | 7.7 |
| 92.5° | 7.2 | 8.1 | 9.0 | 9.9 | 10.8 | 11.5 | 12.0 | 12.3 | 12.8 | 13.2 | 13.5 |
| 95° | 20.0 | 20.6 | 21.3 | 22.0 | 22.6 | 23.3 | 23.8 | 24.3 | 24.8 | 25.4 | 25.5 |
| 97.5° | 34.9 | 35.4 | 36.0 | 36.5 | 37.0 | 37.6 | 38.2 | 38.8 | 39.4 | 40.1 | 40.3 |
| 100° | 46.7 | 46.9 | 47.2 | 47.5 | 47.8 | 48.3 | 48.9 | 49.7 | 50.3 | 51.0 | 51.1 |
| 102.5° | 58.9 | 59.0 | 59.1 | 59.3 | 59.4 | 59.8 | 60.3 | 61.0 | 61.5 | 62.1 | 62.4 |
| 105° | 77.6 | 77.7 | 77.8 | 77.9 | 77.9 | 78.0 | 78.4 | 78.7 | 79.0 | 79.3 | 79.5 |
| 107.5° | 97.3 | 97.4 | 97.5 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.8 | 97.8 | 98.0 |
| 110° | 110.6 | 110.7 | 110.8 | 111.0 | 111.1 | 111.2 | 111.1 | 111.0 | 110.9 | 110.9 | 110.7 |



TEST NUMBER: P332587-830

CATALOG NUMBER: S124DIP-S795D365U830-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 124.4 | 124.4 | 124.5 | 124.5 | 124.5 | 124.5 | 124.3 | 124.2 | 124.1 | 123.9 | 123.9 |
| 115° | 145.2 | 145.2 | 145.2 | 145.2 | 145.2 | 145.2 | 145.0 | 144.9 | 144.7 | 144.6 | 144.5 |
| 117.5° | 164.8 | 164.9 | 164.9 | 164.9 | 165.0 | 165.0 | 164.9 | 164.9 | 164.7 | 164.6 | 164.4 |
| 120° | 177.9 | 178.1 | 178.4 | 178.7 | 179.1 | 179.1 | 178.9 | 178.6 | 178.4 | 178.2 | 177.9 |
| 122.5° | 191.4 | 191.5 | 191.7 | 191.8 | 191.9 | 191.9 | 191.8 | 191.7 | 191.6 | 191.5 | 191.2 |
| 125° | 211.5 | 211.5 | 211.5 | 211.5 | 211.5 | 211.4 | 211.4 | 211.3 | 211.2 | 211.1 | 211.0 |
| 127.5° | 229.7 | 229.9 | 230.2 | 230.4 | 230.5 | 230.6 | 230.5 | 230.4 | 230.3 | 230.2 | 230.0 |
| 130° | 242.5 | 242.7 | 242.9 | 243.2 | 243.4 | 243.5 | 243.5 | 243.5 | 243.5 | 243.5 | 243.4 |
| 132.5° | 255.5 | 255.7 | 255.8 | 256.0 | 256.2 | 256.2 | 256.2 | 256.1 | 256.1 | 256.0 | 255.8 |
| 135° | 272.8 | 273.2 | 273.6 | 274.1 | 274.6 | 274.8 | 274.8 | 274.8 | 274.8 | 274.8 | 274.7 |
| 137.5° | 291.5 | 291.8 | 292.0 | 292.2 | 292.4 | 292.6 | 292.7 | 292.8 | 292.9 | 293.0 | 292.8 |
| 140° | 304.1 | 304.3 | 304.3 | 304.5 | 304.7 | 304.7 | 304.7 | 304.7 | 304.7 | 304.7 | 304.7 |
| 142.5° | 315.6 | 315.7 | 315.8 | 315.9 | 316.1 | 316.2 | 316.1 | 316.0 | 316.0 | 315.9 | 315.9 |
| 145° | 331.4 | 331.7 | 332.0 | 332.2 | 332.6 | 332.8 | 332.8 | 332.9 | 333.0 | 333.1 | 333.0 |
| 147.5° | 347.1 | 347.5 | 347.8 | 348.2 | 348.6 | 348.6 | 348.6 | 348.6 | 348.6 | 348.5 | 348.4 |
| 150° | 356.8 | 357.0 | 357.3 | 357.6 | 357.9 | 358.1 | 358.1 | 358.1 | 358.1 | 358.1 | 358.1 |
| 152.5° | 365.8 | 366.0 | 366.1 | 366.3 | 366.5 | 366.6 | 366.6 | 366.7 | 366.7 | 366.8 | 367.0 |
| 155° | 379.7 | 379.7 | 379.7 | 379.7 | 379.7 | 379.7 | 379.6 | 379.5 | 379.5 | 379.4 | 379.7 |
| 157.5° | 391.4 | 391.2 | 391.2 | 391.1 | 390.9 | 390.8 | 390.8 | 390.8 | 390.8 | 390.8 | 391.0 |
| 160° | 398.3 | 398.2 | 398.2 | 398.1 | 398.0 | 397.9 | 397.9 | 397.8 | 397.8 | 397.7 | 397.9 |
| 162.5° | 404.7 | 404.5 | 404.4 | 404.2 | 404.0 | 403.9 | 403.8 | 403.7 | 403.6 | 403.5 | 404.0 |
| 165° | 413.3 | 413.1 | 412.9 | 412.6 | 412.5 | 412.3 | 412.1 | 412.0 | 411.8 | 411.7 | 412.1 |
| 167.5° | 419.9 | 419.6 | 419.3 | 419.0 | 418.7 | 418.5 | 418.6 | 418.6 | 418.6 | 418.6 | 419.1 |
| 170° | 423.7 | 423.3 | 422.9 | 422.5 | 422.2 | 422.1 | 422.1 | 422.2 | 422.3 | 422.4 | 422.7 |
| 172.5° | 426.3 | 426.0 | 425.7 | 425.4 | 425.1 | 424.9 | 424.9 | 425.0 | 425.0 | 425.0 | 425.5 |
| 175° | 430.0 | 429.6 | 429.2 | 428.9 | 428.5 | 428.3 | 428.2 | 428.1 | 428.1 | 428.0 | 428.5 |
| 177.5° | 431.2 | 430.9 | 430.6 | 430.3 | 430.0 | 429.9 | 429.9 | 429.9 | 429.9 | 429.9 | 430.3 |
| 180° | 430.6 | 430.6 | 430.6 | 430.6 | 430.6 | 430.6 | 430.6 | 430.6 | 430.6 | 430.6 | 430.6 |



TEST NUMBER: P332587-830

CATALOG NUMBER: S124DIP-S795D365U830-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1251.2 | 1251.2 | 1251.2 | 1251.2 | 1251.2 | 1251.2 | 1251.2 | 1251.2 |
| 2.5° | 1246.7 | 1248.5 | 1250.3 | 1251.1 | 1250.9 | 1250.8 | 1250.6 | 1250.4 |
| 5° | 1240.0 | 1242.5 | 1244.9 | 1245.9 | 1245.5 | 1245.1 | 1244.6 | 1244.2 |
| 7.5° | 1226.2 | 1228.2 | 1230.1 | 1231.0 | 1230.8 | 1230.5 | 1230.2 | 1229.9 |
| 10° | 1214.7 | 1216.4 | 1218.2 | 1218.9 | 1218.4 | 1218.0 | 1217.6 | 1217.1 |
| 12.5° | 1200.6 | 1202.5 | 1204.5 | 1205.1 | 1204.6 | 1203.9 | 1203.2 | 1202.7 |
| 15° | 1173.7 | 1175.0 | 1176.3 | 1176.7 | 1176.0 | 1175.4 | 1174.7 | 1174.0 |
| 17.5° | 1143.0 | 1143.9 | 1144.7 | 1144.9 | 1144.4 | 1144.0 | 1143.6 | 1143.1 |
| 20° | 1120.2 | 1120.9 | 1121.5 | 1121.6 | 1121.2 | 1120.8 | 1120.3 | 1119.8 |
| 22.5° | 1096.4 | 1097.6 | 1098.8 | 1099.0 | 1098.2 | 1097.4 | 1096.6 | 1095.8 |
| 25° | 1057.2 | 1057.3 | 1057.6 | 1057.2 | 1056.4 | 1055.5 | 1054.6 | 1053.7 |
| 27.5° | 1013.1 | 1012.6 | 1012.0 | 1011.3 | 1010.1 | 1009.0 | 1007.9 | 1006.7 |
| 30° | 982.7 | 981.8 | 980.9 | 980.0 | 978.8 | 977.7 | 976.6 | 975.5 |
| 32.5° | 951.9 | 950.8 | 949.8 | 948.7 | 947.5 | 946.4 | 945.3 | 944.2 |
| 35° | 903.2 | 901.6 | 900.0 | 898.7 | 897.6 | 896.5 | 895.4 | 894.3 |
| 37.5° | 852.2 | 850.5 | 848.9 | 847.3 | 845.7 | 844.3 | 842.8 | 841.3 |
| 40° | 816.6 | 814.5 | 812.2 | 810.5 | 809.4 | 808.3 | 807.2 | 806.1 |
| 42.5° | 782.2 | 779.7 | 777.0 | 775.4 | 774.7 | 773.9 | 773.2 | 772.4 |
| 45° | 729.0 | 726.5 | 724.1 | 722.6 | 721.8 | 721.1 | 720.5 | 719.8 |
| 47.5° | 677.4 | 674.7 | 671.8 | 669.7 | 668.0 | 666.3 | 664.6 | 662.9 |
| 50° | 641.4 | 638.3 | 635.2 | 632.9 | 631.6 | 630.3 | 629.0 | 627.6 |
| 52.5° | 604.5 | 601.6 | 598.9 | 596.7 | 595.0 | 593.3 | 591.6 | 589.9 |
| 55° | 550.1 | 547.4 | 544.7 | 542.7 | 541.4 | 540.1 | 538.7 | 537.3 |
| 57.5° | 495.6 | 493.0 | 490.5 | 488.6 | 487.3 | 486.0 | 484.7 | 483.4 |
| 60° | 458.2 | 456.2 | 454.1 | 452.6 | 451.5 | 450.3 | 449.2 | 448.2 |
| 62.5° | 421.6 | 419.8 | 418.0 | 416.5 | 415.4 | 414.2 | 413.2 | 412.1 |
| 65° | 368.5 | 366.3 | 364.0 | 362.4 | 361.3 | 360.1 | 359.0 | 357.9 |
| 67.5° | 313.8 | 311.6 | 309.4 | 308.2 | 307.9 | 307.6 | 307.3 | 307.0 |
| 70° | 279.2 | 277.4 | 275.6 | 274.4 | 273.7 | 273.1 | 272.4 | 271.7 |
| 72.5° | 244.6 | 243.2 | 241.8 | 240.7 | 240.0 | 239.3 | 238.7 | 238.0 |
| 75° | 194.7 | 193.8 | 192.9 | 192.4 | 192.2 | 191.9 | 191.7 | 191.5 |
| 77.5° | 147.4 | 147.1 | 146.9 | 146.5 | 145.9 | 145.3 | 144.8 | 144.2 |
| 80° | 117.4 | 117.0 | 116.5 | 116.2 | 115.9 | 115.7 | 115.6 | 115.3 |
| 82.5° | 90.5 | 90.2 | 89.9 | 89.7 | 89.5 | 89.3 | 89.1 | 88.8 |
| 85° | 52.1 | 52.1 | 52.1 | 52.0 | 51.8 | 51.6 | 51.4 | 51.1 |
| 87.5° | 20.9 | 21.0 | 21.1 | 21.1 | 21.1 | 21.2 | 21.2 | 21.2 |
| 90° | 8.2 | 8.7 | 9.1 | 9.4 | 9.5 | 9.7 | 9.8 | 10.0 |
| 92.5° | 13.8 | 13.9 | 14.2 | 14.4 | 14.5 | 14.6 | 14.7 | 14.8 |
| 95° | 25.7 | 26.0 | 26.2 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 |
| 97.5° | 40.5 | 40.8 | 41.1 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |
| 100° | 51.3 | 51.4 | 51.6 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 102.5° | 62.6 | 62.8 | 63.0 | 63.2 | 63.2 | 63.2 | 63.2 | 63.3 |
| 105° | 79.7 | 79.9 | 80.1 | 80.4 | 80.6 | 80.9 | 81.1 | 81.2 |
| 107.5° | 98.3 | 98.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.7 |
| 110° | 110.7 | 110.5 | 110.3 | 110.4 | 110.6 | 110.8 | 111.0 | 111.2 |



TEST NUMBER: P332587-830

CATALOG NUMBER: S124DIP-S795D365U830-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 123.9 | 123.9 | 123.9 | 123.9 | 123.9 | 123.9 | 123.9 | 124.0 |
| 115° | 144.4 | 144.3 | 144.2 | 144.2 | 144.1 | 144.0 | 143.9 | 143.9 |
| 117.5° | 164.1 | 163.8 | 163.6 | 163.4 | 163.2 | 163.1 | 163.0 | 162.8 |
| 120° | 177.5 | 177.1 | 176.7 | 176.6 | 176.7 | 176.9 | 177.0 | 177.2 |
| 122.5° | 191.1 | 190.8 | 190.5 | 190.2 | 190.0 | 189.7 | 189.5 | 189.2 |
| 125° | 210.8 | 210.8 | 210.6 | 210.4 | 210.3 | 210.1 | 210.0 | 209.8 |
| 127.5° | 229.9 | 229.7 | 229.5 | 229.4 | 229.3 | 229.2 | 229.0 | 228.9 |
| 130° | 243.2 | 243.0 | 242.9 | 242.6 | 242.3 | 242.0 | 241.8 | 241.5 |
| 132.5° | 255.7 | 255.5 | 255.4 | 255.2 | 255.1 | 255.1 | 255.0 | 254.8 |
| 135° | 274.5 | 274.4 | 274.2 | 274.0 | 273.8 | 273.5 | 273.3 | 273.1 |
| 137.5° | 292.7 | 292.5 | 292.3 | 292.2 | 292.2 | 292.3 | 292.3 | 292.4 |
| 140° | 304.6 | 304.5 | 304.4 | 304.3 | 304.3 | 304.3 | 304.2 | 304.1 |
| 142.5° | 315.9 | 315.9 | 315.8 | 315.8 | 315.8 | 315.8 | 315.8 | 315.8 |
| 145° | 332.9 | 332.8 | 332.8 | 332.6 | 332.4 | 332.2 | 332.0 | 331.8 |
| 147.5° | 348.4 | 348.3 | 348.2 | 348.2 | 348.1 | 348.0 | 347.9 | 347.9 |
| 150° | 358.1 | 358.1 | 358.1 | 358.0 | 358.0 | 357.9 | 357.8 | 357.7 |
| 152.5° | 367.2 | 367.4 | 367.6 | 367.5 | 367.3 | 367.1 | 366.9 | 366.7 |
| 155° | 379.9 | 380.2 | 380.5 | 380.5 | 380.2 | 379.9 | 379.7 | 379.4 |
| 157.5° | 391.2 | 391.4 | 391.6 | 391.6 | 391.3 | 391.2 | 390.9 | 390.6 |
| 160° | 398.1 | 398.3 | 398.6 | 398.5 | 398.1 | 397.8 | 397.4 | 397.0 |
| 162.5° | 404.4 | 404.7 | 405.1 | 405.1 | 404.8 | 404.4 | 404.1 | 403.7 |
| 165° | 412.6 | 413.0 | 413.4 | 413.5 | 413.2 | 412.9 | 412.6 | 412.4 |
| 167.5° | 419.5 | 419.9 | 420.4 | 420.4 | 419.9 | 419.4 | 419.0 | 418.5 |
| 170° | 423.2 | 423.7 | 424.1 | 424.0 | 423.6 | 423.0 | 422.5 | 422.0 |
| 172.5° | 426.0 | 426.5 | 427.0 | 427.0 | 426.5 | 425.9 | 425.5 | 424.9 |
| 175° | 429.0 | 429.5 | 430.1 | 430.1 | 429.5 | 429.0 | 428.5 | 428.0 |
| 177.5° | 430.6 | 431.1 | 431.5 | 431.5 | 431.0 | 430.6 | 430.1 | 429.6 |
| 180° | 430.6 | 430.6 | 430.6 | 430.6 | 430.6 | 430.6 | 430.6 | 430.6 |

(END OF REPORT)