

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: P332930-927

Luminaire Tested: **S124RDIP-S795D365U927-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332930-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIP-S795D365U927-4F0-1E-UDD-F4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3579.8 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

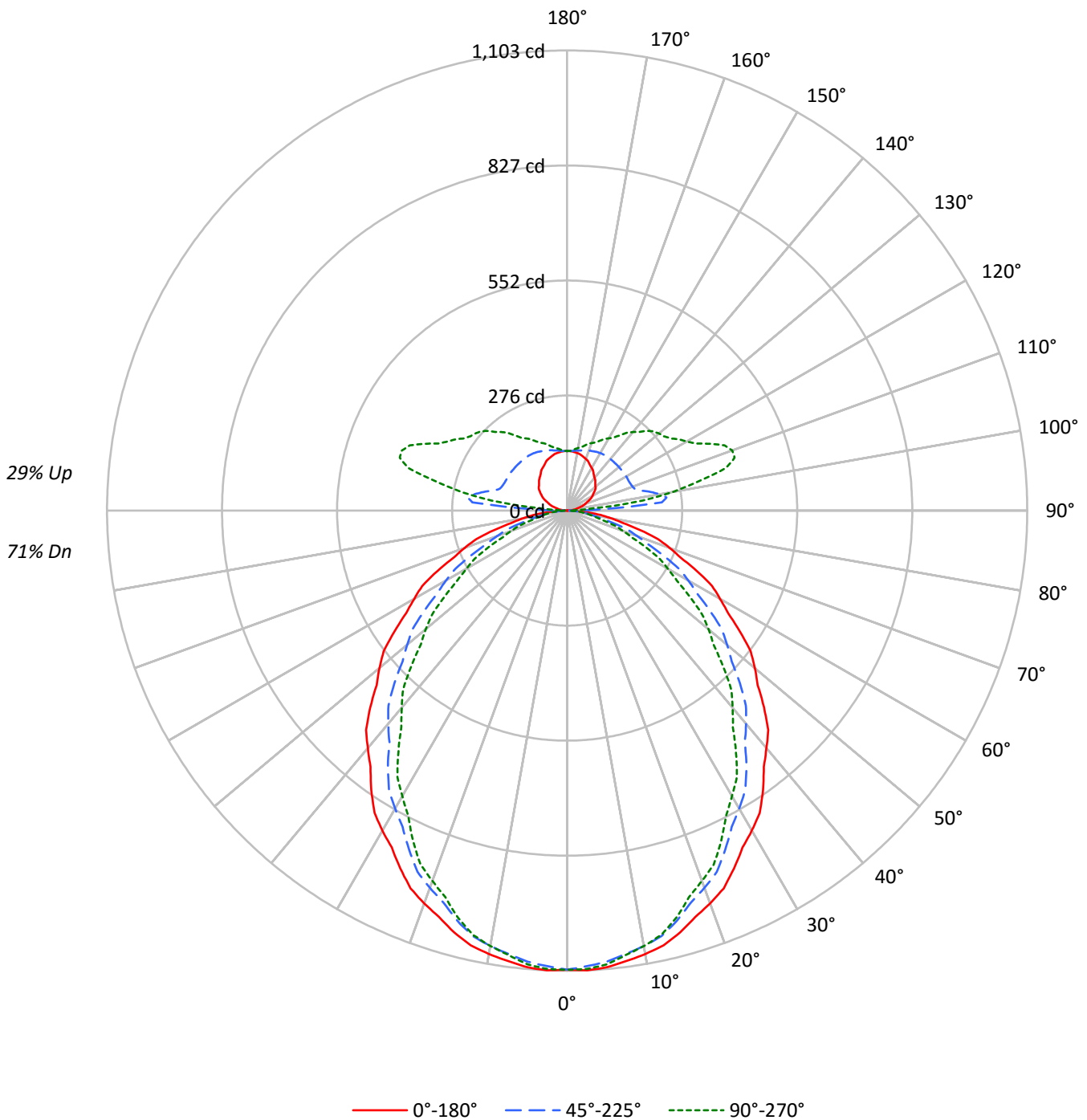
Input Watts (W): 35
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332930-927

CATALOG NUMBER: S124RDIP-S795D365U927-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P332930-927

CATALOG NUMBER: S124RDIP-S795D365U927-4F0-1E-UDD-F4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|----|--|--|--|--|--|--|--|--|----|---|
| RF | 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 | 50 | 30 | 10 | 0 | | | | | | | | | | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 85 | 85 | 85 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 71 | | | | | | | | | | | | | | |
| 1 | 103 | 99 | 95 | 91 | 97 | 94 | 90 | 87 | 84 | 81 | 79 | 75 | 73 | 72 | 67 | 66 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 61 | | | | | | | | | | | | | | |
| 2 | 94 | 87 | 80 | 75 | 89 | 82 | 77 | 72 | 74 | 70 | 66 | 67 | 63 | 60 | 60 | 57 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 51 | | | | | | | | | | | | | | |
| 3 | 86 | 76 | 69 | 63 | 81 | 73 | 66 | 61 | 66 | 60 | 56 | 59 | 55 | 52 | 53 | 50 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 44 | | | | | | | | | | | | | | |
| 4 | 79 | 68 | 60 | 54 | 75 | 65 | 58 | 52 | 59 | 53 | 48 | 53 | 48 | 45 | 48 | 44 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 38 | | | | | | | | | | | | | | |
| 5 | 73 | 61 | 53 | 47 | 69 | 58 | 51 | 45 | 53 | 47 | 42 | 48 | 43 | 39 | 43 | 39 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 33 | | | | | | | | | | | | | | |
| 6 | 67 | 55 | 47 | 41 | 63 | 52 | 45 | 39 | 48 | 41 | 37 | 43 | 38 | 34 | 39 | 35 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 29 | | | | | | | | | | | | | | |
| 7 | 62 | 50 | 42 | 36 | 59 | 48 | 40 | 35 | 44 | 37 | 33 | 40 | 34 | 31 | 36 | 32 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 26 | | | | | | | | | | | | | | |
| 8 | 58 | 45 | 37 | 32 | 55 | 43 | 36 | 31 | 40 | 34 | 29 | 36 | 31 | 27 | 33 | 29 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 23 | | | | | | | | | | | | | | |
| 9 | 54 | 42 | 34 | 29 | 51 | 40 | 33 | 28 | 37 | 31 | 26 | 34 | 28 | 25 | 31 | 26 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 21 | | | | | | | | | | | | | | |
| 10 | 51 | 38 | 31 | 26 | 48 | 37 | 30 | 25 | 34 | 28 | 24 | 31 | 26 | 23 | 29 | 24 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 19 | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8884 | 8884 | 8884 |
| 5° | 8904 | 8795 | 8849 |
| 10° | 8848 | 8689 | 8689 |
| 15° | 8747 | 8507 | 8444 |
| 20° | 8607 | 8267 | 8115 |
| 25° | 8429 | 7986 | 7783 |
| 30° | 8255 | 7690 | 7368 |
| 35° | 8064 | 7383 | 6951 |
| 40° | 7832 | 7032 | 6500 |
| 45° | 7618 | 6687 | 6042 |
| 50° | 7376 | 6286 | 5556 |
| 55° | 7116 | 5871 | 5029 |
| 60° | 6830 | 5414 | 4490 |
| 65° | 6567 | 4846 | 3960 |
| 70° | 6187 | 4216 | 3361 |
| 75° | 5702 | 3497 | 2732 |
| 80° | 4974 | 2664 | 2506 |
| 85° | 4215 | 2418 | 2260 |



TEST NUMBER: P332930-927

CATALOG NUMBER: S124RDIP-S795D365U927-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 103.4 | 2.9 |
| 10°-20° | 288.3 | 8.1 |
| 20°-30° | 416.3 | 11.6 |
| 30°-40° | 471.8 | 13.2 |
| 40°-50° | 455.6 | 12.7 |
| 50°-60° | 378.9 | 10.6 |
| 60°-70° | 261.6 | 7.3 |
| 70°-80° | 132.6 | 3.7 |
| 80°-90° | 34.8 | 1.0 |
| 90°-100° | 102.9 | 2.9 |
| 100°-110° | 214.2 | 6.0 |
| 110°-120° | 191.9 | 5.4 |
| 120°-130° | 161.4 | 4.5 |
| 130°-140° | 134.6 | 3.8 |
| 140°-150° | 102.8 | 2.9 |
| 150°-160° | 72.3 | 2.0 |
| 160°-170° | 42.5 | 1.2 |
| 170°-180° | 13.8 | 0.4 |
| 0°-30° | 807.9 | 22.6 |
| 0°-40° | 1279.7 | 35.7 |
| 0°-60° | 2114.3 | 59.1 |
| 0°-90° | 2543.3 | 71.0 |
| 90°-120° | 509.0 | 14.2 |
| 90°-150° | 907.8 | 25.4 |
| 90°-180° | 1036.0 | 28.9 |
| 0°-180° | 3579.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1100 | 1100 | 1100 | 1100 | 1100 | |
| 5° | 1099 | 1095 | 1085 | 1093 | 1092 | 104 |
| 15° | 1047 | 1038 | 1018 | 1016 | 1010 | 295 |
| 25° | 946 | 930 | 896 | 883 | 874 | 436 |
| 35° | 818 | 790 | 749 | 721 | 705 | 511 |
| 45° | 667 | 635 | 586 | 546 | 529 | 514 |
| 55° | 506 | 471 | 417 | 375 | 357 | 452 |
| 65° | 344 | 307 | 254 | 219 | 207 | 339 |
| 75° | 183 | 151 | 112 | 93 | 88 | 193 |
| 85° | 46 | 29 | 26 | 24 | 24 | 51 |
| 90° | 0 | 2 | 5 | 6 | 6 | 3 |
| 95° | 9 | 29 | 228 | 113 | 68 | 10 |
| 105° | 33 | 47 | 184 | 396 | 394 | 35 |
| 115° | 58 | 72 | 164 | 315 | 378 | 57 |
| 125° | 80 | 96 | 163 | 268 | 302 | 72 |
| 135° | 96 | 114 | 162 | 238 | 270 | 74 |
| 145° | 110 | 126 | 161 | 200 | 220 | 69 |
| 155° | 125 | 135 | 156 | 177 | 184 | 58 |
| 165° | 136 | 141 | 150 | 159 | 161 | 38 |
| 175° | 142 | 142 | 144 | 146 | 145 | 13 |
| 180° | 142 | 142 | 142 | 142 | 142 | |



TEST NUMBER: P332930-927

CATALOG NUMBER: S124RDIP-S795D365U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1100.5 | 1100.5 | 1100.5 | 1100.5 | 1100.5 | 1100.5 | 1100.5 | 1100.5 | 1100.5 | 1100.5 | 1100.5 |
| 2.5° | 1103.2 | 1102.6 | 1101.9 | 1101.4 | 1100.7 | 1099.6 | 1098.0 | 1096.4 | 1094.7 | 1093.1 | 1094.7 |
| 5° | 1098.8 | 1098.0 | 1097.3 | 1096.5 | 1095.7 | 1094.3 | 1092.0 | 1089.8 | 1087.5 | 1085.3 | 1087.2 |
| 7.5° | 1088.9 | 1088.1 | 1087.3 | 1086.5 | 1085.7 | 1083.9 | 1080.9 | 1078.0 | 1075.1 | 1072.1 | 1073.3 |
| 10° | 1079.4 | 1078.5 | 1077.5 | 1076.6 | 1075.6 | 1073.5 | 1070.2 | 1066.8 | 1063.4 | 1060.0 | 1060.7 |
| 12.5° | 1067.2 | 1066.2 | 1065.1 | 1064.0 | 1063.0 | 1060.4 | 1056.5 | 1052.4 | 1048.5 | 1044.5 | 1045.0 |
| 15° | 1046.6 | 1044.9 | 1043.1 | 1041.5 | 1039.8 | 1036.6 | 1031.9 | 1027.2 | 1022.5 | 1017.9 | 1017.5 |
| 17.5° | 1021.4 | 1019.0 | 1016.5 | 1014.2 | 1011.7 | 1007.7 | 1002.0 | 996.4 | 990.8 | 985.2 | 984.1 |
| 20° | 1001.9 | 999.4 | 997.0 | 994.6 | 992.1 | 987.8 | 981.4 | 975.0 | 968.6 | 962.3 | 960.8 |
| 22.5° | 980.3 | 977.6 | 974.9 | 972.1 | 969.4 | 964.6 | 957.7 | 950.9 | 944.1 | 937.3 | 935.1 |
| 25° | 946.3 | 942.9 | 939.5 | 936.1 | 932.8 | 927.2 | 919.6 | 911.9 | 904.2 | 896.5 | 893.3 |
| 27.5° | 910.5 | 906.3 | 902.1 | 897.9 | 893.6 | 887.4 | 879.2 | 871.0 | 862.8 | 854.6 | 850.6 |
| 30° | 885.6 | 880.9 | 876.2 | 871.6 | 866.9 | 860.2 | 851.4 | 842.6 | 833.7 | 824.9 | 820.2 |
| 32.5° | 859.3 | 854.1 | 848.7 | 843.4 | 838.2 | 831.0 | 821.9 | 812.8 | 803.7 | 794.6 | 789.2 |
| 35° | 818.2 | 812.2 | 806.2 | 800.2 | 794.2 | 786.6 | 777.2 | 767.8 | 758.4 | 749.1 | 742.8 |
| 37.5° | 774.2 | 768.0 | 761.8 | 755.7 | 749.5 | 741.2 | 730.9 | 720.5 | 710.1 | 699.7 | 692.6 |
| 40° | 743.2 | 737.0 | 730.9 | 724.7 | 718.5 | 710.0 | 699.3 | 688.7 | 678.0 | 667.3 | 659.5 |
| 42.5° | 713.5 | 707.0 | 700.6 | 694.1 | 687.6 | 678.8 | 667.7 | 656.6 | 645.5 | 634.3 | 626.3 |
| 45° | 667.3 | 660.4 | 653.5 | 646.6 | 639.6 | 630.6 | 619.3 | 608.1 | 596.8 | 585.7 | 576.5 |
| 47.5° | 619.6 | 612.5 | 605.4 | 598.2 | 591.0 | 581.6 | 570.0 | 558.3 | 546.6 | 534.9 | 525.4 |
| 50° | 587.3 | 580.0 | 572.7 | 565.4 | 558.1 | 548.4 | 536.5 | 524.5 | 512.5 | 500.5 | 491.2 |
| 52.5° | 554.3 | 547.2 | 540.0 | 532.8 | 525.7 | 515.9 | 503.7 | 491.4 | 479.1 | 466.8 | 457.3 |
| 55° | 505.6 | 498.0 | 490.6 | 483.1 | 475.6 | 465.8 | 453.6 | 441.4 | 429.3 | 417.1 | 407.3 |
| 57.5° | 457.4 | 449.6 | 441.8 | 434.0 | 426.2 | 416.3 | 404.3 | 392.4 | 380.4 | 368.4 | 358.5 |
| 60° | 423.0 | 415.5 | 408.1 | 400.5 | 393.0 | 383.3 | 371.3 | 359.3 | 347.4 | 335.3 | 325.6 |
| 62.5° | 392.0 | 384.2 | 376.4 | 368.6 | 360.8 | 350.8 | 338.5 | 326.2 | 313.9 | 301.7 | 292.6 |
| 65° | 343.8 | 335.7 | 327.6 | 319.6 | 311.6 | 301.6 | 289.5 | 277.6 | 265.6 | 253.7 | 245.6 |
| 67.5° | 293.7 | 286.1 | 278.3 | 270.6 | 262.8 | 253.5 | 242.3 | 231.2 | 220.1 | 209.0 | 202.0 |
| 70° | 262.1 | 254.2 | 246.3 | 238.4 | 230.6 | 221.3 | 210.6 | 199.9 | 189.3 | 178.6 | 172.5 |
| 72.5° | 228.4 | 221.3 | 214.1 | 207.0 | 199.9 | 191.3 | 181.3 | 171.1 | 161.1 | 151.0 | 145.7 |
| 75° | 182.8 | 175.9 | 169.0 | 162.1 | 155.1 | 147.3 | 138.5 | 129.7 | 120.9 | 112.1 | 107.7 |
| 77.5° | 136.7 | 130.8 | 124.9 | 119.1 | 113.1 | 106.6 | 99.6 | 92.4 | 85.3 | 78.2 | 75.7 |
| 80° | 107.0 | 101.6 | 96.2 | 90.7 | 85.3 | 79.8 | 74.1 | 68.5 | 62.9 | 57.3 | 56.7 |
| 82.5° | 81.4 | 76.4 | 71.5 | 66.5 | 61.5 | 57.4 | 54.2 | 50.9 | 47.7 | 44.5 | 44.0 |
| 85° | 45.5 | 41.7 | 38.0 | 34.3 | 30.5 | 28.4 | 27.8 | 27.3 | 26.7 | 26.1 | 25.7 |
| 87.5° | 15.5 | 14.5 | 13.5 | 12.3 | 11.2 | 10.5 | 10.7 | 10.5 | 10.5 | 10.5 | 10.2 |
| 90° | 0.3 | 0.9 | 1.7 | 2.0 | 2.2 | 2.2 | 3.9 | 3.9 | 4.5 | 5.1 | 4.8 |
| 92.5° | 3.2 | 4.7 | 7.3 | 10.7 | 14.8 | 20.6 | 34.9 | 56.6 | 77.7 | 88.8 | 74.0 |
| 95° | 9.3 | 10.1 | 12.9 | 16.6 | 23.2 | 35.0 | 59.3 | 105.3 | 172.2 | 228.1 | 234.6 |
| 97.5° | 16.6 | 16.6 | 19.0 | 22.3 | 28.1 | 37.9 | 56.7 | 94.7 | 161.1 | 240.3 | 294.8 |
| 100° | 21.3 | 21.3 | 23.2 | 26.6 | 31.9 | 40.9 | 57.4 | 89.0 | 146.2 | 225.1 | 296.8 |
| 102.5° | 25.7 | 26.2 | 28.0 | 31.1 | 36.2 | 44.7 | 59.7 | 87.5 | 136.1 | 206.0 | 280.0 |
| 105° | 32.8 | 33.6 | 35.0 | 38.3 | 43.4 | 51.5 | 65.0 | 88.2 | 127.4 | 183.6 | 249.5 |
| 107.5° | 40.5 | 41.0 | 42.5 | 46.0 | 50.9 | 58.9 | 71.1 | 92.4 | 125.8 | 171.1 | 224.8 |
| 110° | 45.6 | 46.2 | 47.6 | 50.9 | 56.0 | 63.5 | 75.9 | 95.5 | 126.3 | 166.8 | 212.5 |



TEST NUMBER: P332930-927

CATALOG NUMBER: S124RDIP-S795D365U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 50.5 | 51.1 | 52.8 | 55.8 | 60.9 | 68.4 | 80.3 | 98.9 | 127.6 | 164.9 | 205.6 |
| 115° | 57.7 | 58.5 | 60.4 | 63.3 | 68.6 | 76.1 | 87.4 | 104.2 | 130.2 | 163.8 | 199.1 |
| 117.5° | 65.0 | 65.8 | 67.6 | 70.7 | 75.7 | 83.5 | 94.1 | 109.6 | 132.9 | 163.5 | 196.1 |
| 120° | 70.0 | 70.6 | 72.5 | 75.6 | 80.3 | 88.2 | 98.9 | 113.4 | 135.0 | 163.5 | 194.6 |
| 122.5° | 74.5 | 75.0 | 77.0 | 79.9 | 85.1 | 92.7 | 103.3 | 117.0 | 137.0 | 163.3 | 192.8 |
| 125° | 80.3 | 81.4 | 83.2 | 86.3 | 91.6 | 99.4 | 109.5 | 122.3 | 140.0 | 163.0 | 189.8 |
| 127.5° | 85.6 | 86.4 | 88.5 | 92.0 | 97.5 | 105.4 | 115.2 | 127.0 | 142.4 | 162.3 | 185.8 |
| 130° | 88.5 | 89.6 | 91.8 | 96.0 | 101.3 | 109.5 | 119.0 | 129.9 | 144.2 | 162.1 | 183.4 |
| 132.5° | 91.4 | 92.3 | 95.2 | 99.2 | 105.0 | 112.6 | 122.2 | 132.8 | 145.8 | 161.9 | 181.2 |
| 135° | 95.5 | 96.6 | 99.4 | 104.2 | 110.0 | 117.3 | 126.5 | 136.7 | 148.1 | 161.5 | 177.8 |
| 137.5° | 99.6 | 100.6 | 103.7 | 108.2 | 114.3 | 121.3 | 129.9 | 139.3 | 149.5 | 161.5 | 174.9 |
| 140° | 102.5 | 103.3 | 106.4 | 111.1 | 117.0 | 123.7 | 132.1 | 141.1 | 150.6 | 161.3 | 173.3 |
| 142.5° | 105.6 | 106.5 | 109.3 | 113.8 | 119.5 | 126.0 | 134.2 | 142.4 | 151.5 | 161.3 | 172.0 |
| 145° | 110.0 | 110.9 | 113.7 | 117.6 | 122.9 | 129.0 | 136.3 | 143.9 | 152.0 | 160.7 | 169.7 |
| 147.5° | 115.0 | 115.3 | 117.8 | 121.8 | 126.2 | 131.7 | 138.6 | 145.2 | 152.3 | 159.7 | 167.6 |
| 150° | 118.1 | 118.4 | 120.6 | 124.1 | 128.3 | 133.6 | 139.7 | 145.8 | 152.3 | 159.0 | 166.0 |
| 152.5° | 121.0 | 121.1 | 123.3 | 126.5 | 130.2 | 135.1 | 140.6 | 146.3 | 151.9 | 157.9 | 164.2 |
| 155° | 125.2 | 125.4 | 127.1 | 129.9 | 133.0 | 137.2 | 142.0 | 146.7 | 151.2 | 156.2 | 161.5 |
| 157.5° | 129.1 | 129.1 | 130.7 | 132.8 | 135.5 | 138.9 | 142.9 | 146.7 | 150.4 | 154.5 | 158.8 |
| 160° | 131.6 | 131.6 | 132.7 | 134.7 | 136.9 | 140.0 | 143.4 | 146.7 | 149.8 | 153.1 | 156.8 |
| 162.5° | 133.8 | 133.6 | 134.5 | 136.3 | 138.2 | 140.7 | 143.8 | 146.7 | 149.1 | 151.8 | 155.0 |
| 165° | 136.3 | 136.3 | 136.9 | 138.3 | 139.7 | 141.4 | 143.9 | 146.2 | 147.8 | 149.8 | 152.0 |
| 167.5° | 138.9 | 138.6 | 138.9 | 139.9 | 140.7 | 142.0 | 143.9 | 145.4 | 146.5 | 147.7 | 149.3 |
| 170° | 140.0 | 139.7 | 140.0 | 140.9 | 141.4 | 142.2 | 143.6 | 145.0 | 145.6 | 146.4 | 147.6 |
| 172.5° | 141.1 | 140.9 | 140.9 | 141.5 | 141.8 | 142.4 | 143.4 | 144.6 | 144.7 | 145.0 | 146.0 |
| 175° | 142.2 | 142.0 | 142.0 | 142.2 | 142.5 | 142.5 | 143.1 | 143.9 | 143.6 | 143.6 | 144.2 |
| 177.5° | 142.8 | 142.5 | 142.3 | 142.5 | 142.5 | 142.5 | 142.8 | 143.1 | 142.8 | 142.8 | 143.0 |
| 180° | 142.5 | 142.5 | 142.5 | 142.5 | 142.5 | 142.5 | 142.5 | 142.5 | 142.5 | 142.5 | 142.5 |



TEST NUMBER: P332930-927

CATALOG NUMBER: S124RDIP-S795D365U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1100.5 | 1100.5 | 1100.5 | 1100.5 | 1100.5 | 1100.5 | 1100.5 | 1100.5 |
| 2.5° | 1096.4 | 1098.0 | 1099.6 | 1100.4 | 1100.3 | 1100.1 | 1099.9 | 1099.8 |
| 5° | 1089.0 | 1090.9 | 1092.8 | 1093.5 | 1093.1 | 1092.8 | 1092.4 | 1092.0 |
| 7.5° | 1074.5 | 1075.8 | 1077.0 | 1077.2 | 1076.7 | 1076.0 | 1075.5 | 1074.8 |
| 10° | 1061.5 | 1062.2 | 1063.0 | 1063.0 | 1062.2 | 1061.5 | 1060.7 | 1060.0 |
| 12.5° | 1045.4 | 1045.8 | 1046.3 | 1046.0 | 1045.0 | 1043.9 | 1042.8 | 1041.8 |
| 15° | 1017.2 | 1016.8 | 1016.4 | 1015.6 | 1014.2 | 1012.9 | 1011.6 | 1010.3 |
| 17.5° | 983.1 | 982.1 | 981.0 | 979.5 | 977.5 | 975.5 | 973.5 | 971.5 |
| 20° | 959.3 | 957.7 | 956.2 | 954.3 | 951.9 | 949.4 | 947.0 | 944.6 |
| 22.5° | 932.9 | 930.6 | 928.4 | 926.2 | 924.2 | 922.3 | 920.3 | 918.3 |
| 25° | 890.2 | 887.0 | 883.8 | 881.3 | 879.4 | 877.6 | 875.7 | 873.8 |
| 27.5° | 846.7 | 842.8 | 838.8 | 835.5 | 832.8 | 830.1 | 827.4 | 824.7 |
| 30° | 815.6 | 810.9 | 806.2 | 802.3 | 799.4 | 796.4 | 793.4 | 790.4 |
| 32.5° | 783.7 | 778.3 | 772.9 | 768.7 | 765.9 | 763.0 | 760.2 | 757.3 |
| 35° | 736.3 | 730.0 | 723.7 | 718.7 | 715.4 | 712.0 | 708.6 | 705.3 |
| 37.5° | 685.5 | 678.3 | 671.2 | 666.0 | 662.7 | 659.3 | 655.9 | 652.5 |
| 40° | 651.6 | 643.7 | 635.9 | 630.3 | 626.9 | 623.5 | 620.2 | 616.8 |
| 42.5° | 618.3 | 610.3 | 602.3 | 596.5 | 592.9 | 589.5 | 586.0 | 582.4 |
| 45° | 567.3 | 558.1 | 548.9 | 542.6 | 539.2 | 535.9 | 532.5 | 529.2 |
| 47.5° | 515.9 | 506.4 | 496.9 | 490.2 | 486.6 | 482.8 | 479.1 | 475.4 |
| 50° | 481.8 | 472.5 | 463.0 | 456.6 | 453.0 | 449.5 | 445.9 | 442.4 |
| 52.5° | 447.8 | 438.3 | 428.7 | 422.2 | 418.4 | 414.7 | 411.1 | 407.3 |
| 55° | 397.6 | 387.9 | 378.2 | 371.5 | 368.0 | 364.4 | 360.8 | 357.3 |
| 57.5° | 348.6 | 338.7 | 328.8 | 322.6 | 319.9 | 317.2 | 314.5 | 311.8 |
| 60° | 315.9 | 306.2 | 296.4 | 290.0 | 287.1 | 284.1 | 281.1 | 278.1 |
| 62.5° | 283.7 | 274.7 | 265.7 | 260.0 | 257.6 | 255.2 | 252.8 | 250.4 |
| 65° | 237.5 | 229.5 | 221.4 | 216.3 | 214.0 | 211.8 | 209.5 | 207.3 |
| 67.5° | 195.1 | 188.2 | 181.3 | 176.6 | 174.1 | 171.6 | 169.1 | 166.7 |
| 70° | 166.3 | 160.1 | 153.9 | 149.9 | 148.1 | 146.2 | 144.3 | 142.4 |
| 72.5° | 140.5 | 135.1 | 129.8 | 126.4 | 124.7 | 122.9 | 121.2 | 119.5 |
| 75° | 103.5 | 99.2 | 94.8 | 92.1 | 91.0 | 89.9 | 88.7 | 87.6 |
| 77.5° | 73.2 | 70.7 | 68.1 | 66.7 | 66.4 | 66.1 | 65.8 | 65.4 |
| 80° | 56.2 | 55.6 | 55.1 | 54.7 | 54.5 | 54.3 | 54.1 | 53.9 |
| 82.5° | 43.6 | 43.3 | 42.9 | 42.5 | 42.4 | 42.1 | 42.0 | 41.8 |
| 85° | 25.3 | 25.0 | 24.6 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 |
| 87.5° | 10.1 | 10.1 | 10.0 | 10.0 | 10.1 | 10.4 | 10.5 | 10.6 |
| 90° | 5.1 | 5.3 | 5.6 | 5.6 | 5.9 | 6.2 | 5.9 | 5.9 |
| 92.5° | 55.0 | 41.4 | 33.0 | 27.3 | 24.0 | 22.5 | 21.5 | 21.5 |
| 95° | 207.5 | 164.1 | 126.5 | 99.4 | 85.6 | 77.0 | 71.9 | 68.3 |
| 97.5° | 306.5 | 290.4 | 263.0 | 233.8 | 213.7 | 196.9 | 188.5 | 182.6 |
| 100° | 337.6 | 343.3 | 329.5 | 308.8 | 284.5 | 267.4 | 259.0 | 256.7 |
| 102.5° | 336.1 | 363.8 | 367.8 | 359.2 | 344.3 | 331.9 | 323.1 | 321.2 |
| 105° | 313.5 | 362.0 | 389.8 | 401.2 | 401.8 | 399.5 | 395.6 | 394.0 |
| 107.5° | 281.6 | 333.2 | 372.2 | 397.2 | 411.0 | 417.4 | 420.2 | 420.9 |
| 110° | 262.4 | 310.8 | 351.4 | 382.1 | 402.0 | 413.8 | 418.8 | 421.4 |



TEST NUMBER: P332930-927

CATALOG NUMBER: S124RDIP-S795D365U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 248.2 | 291.0 | 329.4 | 360.2 | 382.8 | 397.0 | 404.1 | 408.1 |
| 115° | 234.1 | 268.5 | 301.3 | 328.1 | 350.2 | 367.0 | 376.0 | 378.3 |
| 117.5° | 227.1 | 255.6 | 281.4 | 304.2 | 323.1 | 337.2 | 346.2 | 347.9 |
| 120° | 223.9 | 250.0 | 272.4 | 292.3 | 308.2 | 320.6 | 327.9 | 331.0 |
| 122.5° | 221.3 | 246.4 | 266.8 | 284.2 | 297.7 | 308.2 | 314.4 | 317.5 |
| 125° | 216.7 | 240.7 | 260.1 | 275.5 | 286.7 | 294.9 | 300.2 | 301.8 |
| 127.5° | 211.1 | 234.1 | 253.4 | 268.0 | 279.2 | 286.5 | 291.0 | 292.6 |
| 130° | 206.6 | 228.8 | 247.8 | 262.6 | 274.1 | 281.1 | 285.6 | 287.2 |
| 132.5° | 201.9 | 222.7 | 241.3 | 256.1 | 267.4 | 275.3 | 279.6 | 281.2 |
| 135° | 195.4 | 213.7 | 230.7 | 244.7 | 255.9 | 263.7 | 268.2 | 269.9 |
| 137.5° | 189.6 | 204.9 | 219.4 | 232.0 | 242.5 | 250.2 | 253.9 | 255.9 |
| 140° | 186.2 | 199.3 | 211.9 | 223.7 | 233.5 | 239.6 | 243.6 | 245.8 |
| 142.5° | 183.1 | 194.6 | 205.4 | 215.6 | 224.3 | 230.0 | 233.5 | 235.0 |
| 145° | 178.6 | 188.1 | 196.5 | 204.4 | 211.4 | 216.1 | 219.0 | 220.3 |
| 147.5° | 175.0 | 182.5 | 189.3 | 195.4 | 200.6 | 204.7 | 206.8 | 207.3 |
| 150° | 172.8 | 179.2 | 184.8 | 189.8 | 194.3 | 198.0 | 199.6 | 199.9 |
| 152.5° | 170.3 | 175.9 | 181.0 | 185.1 | 188.9 | 191.9 | 192.9 | 193.2 |
| 155° | 166.6 | 171.0 | 175.2 | 178.6 | 181.4 | 183.6 | 184.5 | 184.5 |
| 157.5° | 162.6 | 166.4 | 169.9 | 172.6 | 174.7 | 176.4 | 176.9 | 176.9 |
| 160° | 160.2 | 163.2 | 166.3 | 168.6 | 170.2 | 171.9 | 172.2 | 172.2 |
| 162.5° | 157.7 | 160.3 | 162.7 | 164.8 | 166.0 | 167.6 | 167.9 | 167.7 |
| 165° | 154.2 | 156.0 | 157.9 | 159.3 | 160.4 | 161.5 | 161.3 | 161.0 |
| 167.5° | 151.0 | 152.3 | 153.8 | 154.6 | 155.2 | 156.0 | 155.9 | 155.7 |
| 170° | 148.9 | 149.8 | 150.9 | 151.8 | 152.3 | 152.6 | 152.3 | 152.3 |
| 172.5° | 147.2 | 147.7 | 148.5 | 149.1 | 149.4 | 149.6 | 149.4 | 148.9 |
| 175° | 144.7 | 145.0 | 145.6 | 145.6 | 145.6 | 146.2 | 145.6 | 145.0 |
| 177.5° | 143.1 | 143.4 | 143.4 | 143.6 | 143.4 | 143.6 | 143.1 | 142.8 |
| 180° | 142.5 | 142.5 | 142.5 | 142.5 | 142.5 | 142.5 | 142.5 | 142.5 |

(END OF REPORT)