

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P831702

Luminaire Tested: S123DIP-S775D805U850-4F0-1E-UDD-G

Issue Date: 05/03/2024

Test Information

Test Method: LM-79-2019
Report Number: P831702
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2301-905-1, G3-1807-864-5)
Test Lab: INNOVATION CENTER
Issue Date: 05/03/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-S775D805U850-4F0-1E-UDD-G
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, GRAZE OPTIC
UPLIGHT 805 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: -

Summary

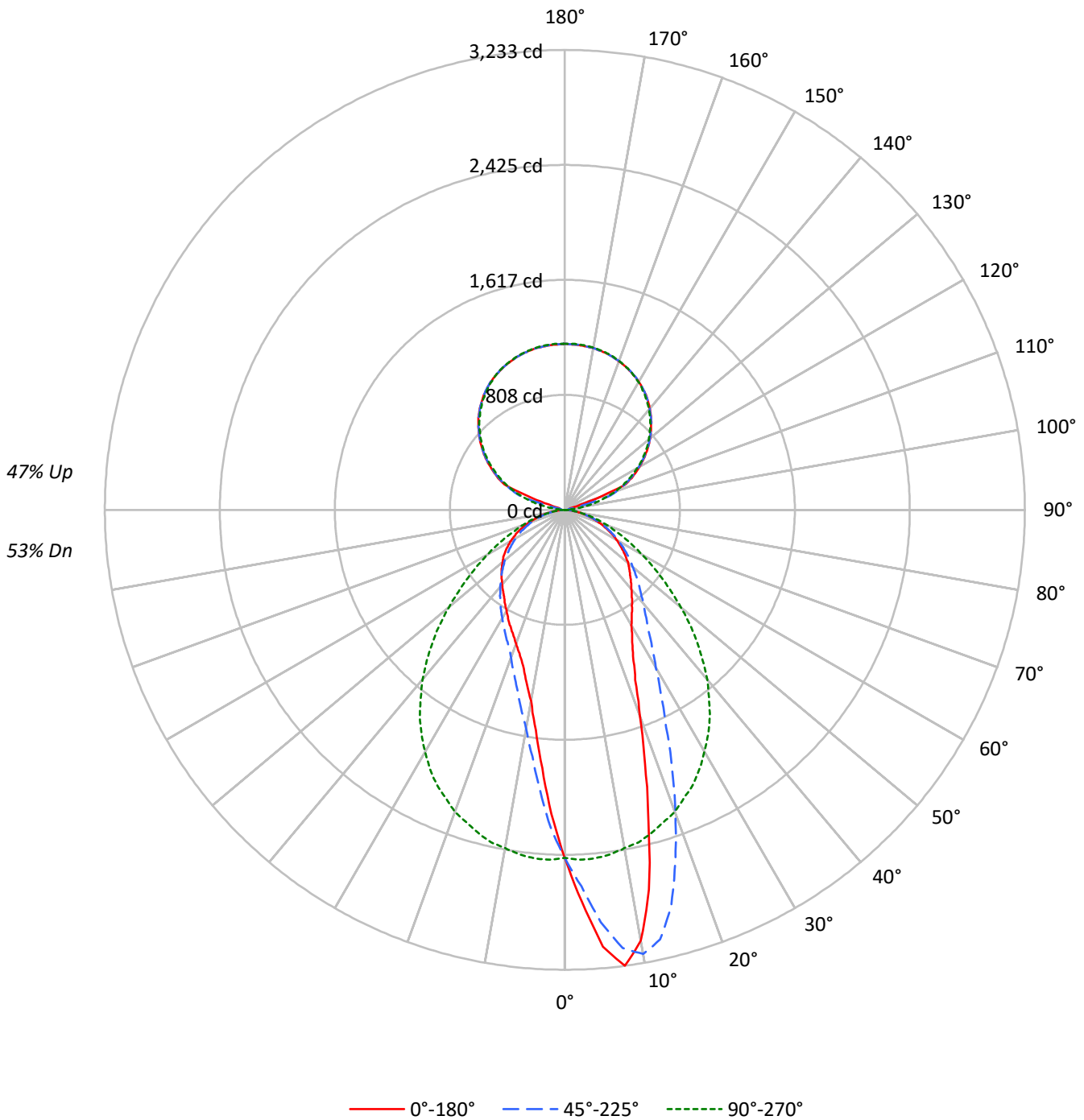
Lumens per Lamp: N/A
Luminaire Lumens: 7493.2 lumens
Efficiency: N/A
Efficacy: 161.1 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 1.19 / 0.89
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 46.5
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: 24 FT

TEST NUMBER: P831702

CATALOG NUMBER: S123DIP-S775D805U850-4F0-1E-UDD-G

Luminous Intensity Polar Plot





TEST NUMBER: P831702

CATALOG NUMBER: S123DIP-S775D805U850-4F0-1E-UDD-G

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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 71 | 71 | 71 | 58 | 58 | 58 | 53 | | | | |
| 1 | 99 | 95 | 91 | 88 | 91 | 88 | 85 | 82 | 75 | 73 | 71 | 63 | 62 | 60 | 52 | 51 | 50 | 45 | | | | |
| 2 | 91 | 83 | 78 | 73 | 84 | 78 | 72 | 68 | 66 | 63 | 59 | 56 | 54 | 51 | 47 | 45 | 43 | 39 | | | | |
| 3 | 83 | 74 | 67 | 61 | 77 | 69 | 63 | 58 | 59 | 55 | 51 | 50 | 47 | 44 | 42 | 40 | 38 | 34 | | | | |
| 4 | 76 | 66 | 58 | 52 | 71 | 61 | 55 | 50 | 53 | 48 | 44 | 45 | 42 | 38 | 38 | 35 | 33 | 30 | | | | |
| 5 | 70 | 59 | 51 | 46 | 65 | 55 | 48 | 43 | 48 | 43 | 38 | 41 | 37 | 34 | 35 | 32 | 29 | 26 | | | | |
| 6 | 65 | 53 | 46 | 40 | 60 | 50 | 43 | 38 | 44 | 38 | 34 | 38 | 33 | 30 | 32 | 29 | 26 | 23 | | | | |
| 7 | 60 | 49 | 41 | 35 | 56 | 46 | 39 | 34 | 40 | 34 | 30 | 34 | 30 | 27 | 29 | 26 | 24 | 21 | | | | |
| 8 | 56 | 44 | 37 | 32 | 52 | 42 | 35 | 30 | 37 | 31 | 27 | 32 | 28 | 24 | 27 | 24 | 22 | 19 | | | | |
| 9 | 53 | 41 | 33 | 29 | 49 | 38 | 32 | 27 | 34 | 28 | 25 | 29 | 25 | 22 | 25 | 22 | 20 | 18 | | | | |
| 10 | 49 | 38 | 31 | 26 | 46 | 35 | 29 | 25 | 31 | 26 | 23 | 27 | 23 | 20 | 24 | 21 | 18 | 16 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 26337 | 26337 | 26337 | 26337 | 26337 |
| 5° | 33309 | 31437 | 26573 | 21414 | 19678 |
| 10° | 33632 | 34649 | 26397 | 17070 | 14917 |
| 15° | 25331 | 32169 | 26216 | 14456 | 12615 |
| 20° | 17649 | 26032 | 25882 | 12641 | 11458 |
| 25° | 13459 | 20018 | 25312 | 11631 | 10747 |
| 30° | 11642 | 15904 | 24401 | 10916 | 10174 |
| 35° | 10801 | 13428 | 23349 | 10399 | 9772 |
| 40° | 10227 | 12045 | 21874 | 9908 | 9636 |
| 45° | 9887 | 11149 | 19998 | 9523 | 9575 |
| 50° | 9716 | 10438 | 17777 | 9173 | 9525 |
| 55° | 9355 | 9918 | 15597 | 8843 | 9567 |
| 60° | 9020 | 9362 | 13444 | 8531 | 9410 |
| 65° | 8474 | 8835 | 11596 | 8199 | 9225 |
| 70° | 7827 | 8164 | 9863 | 7648 | 8683 |
| 75° | 7083 | 7320 | 8451 | 7107 | 7935 |
| 80° | 5839 | 6403 | 6688 | 6192 | 6688 |
| 85° | 4631 | 5187 | 4903 | 5261 | 5323 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 80°
 Vertical Angle: 45°
 Luminance: 22832 cd/sqm



TEST NUMBER: P831702

CATALOG NUMBER: S123DIP-S775D805U850-4F0-1E-UDD-G

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 231.3 | 3.1 |
| 10°-20° | 575.5 | 7.7 |
| 20°-30° | 681.4 | 9.1 |
| 30°-40° | 685.1 | 9.1 |
| 40°-50° | 628.6 | 8.4 |
| 50°-60° | 518.8 | 6.9 |
| 60°-70° | 367.0 | 4.9 |
| 70°-80° | 195.9 | 2.6 |
| 80°-90° | 52.0 | 0.7 |
| 90°-100° | 41.1 | 0.5 |
| 100°-110° | 198.9 | 2.7 |
| 110°-120° | 487.5 | 6.5 |
| 120°-130° | 618.9 | 8.3 |
| 130°-140° | 661.2 | 8.8 |
| 140°-150° | 618.3 | 8.3 |
| 150°-160° | 498.7 | 6.7 |
| 160°-170° | 321.9 | 4.3 |
| 170°-180° | 110.9 | 1.5 |
| 0°-30° | 1488.2 | 19.9 |
| 0°-40° | 2173.3 | 29.0 |
| 0°-60° | 3320.7 | 44.3 |
| 0°-90° | 3935.7 | 52.5 |
| 90°-120° | 727.6 | 9.7 |
| 90°-150° | 2626.0 | 35.0 |
| 90°-180° | 3558.0 | 47.5 |
| 0°-180° | 7493.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|------|------|------|------|------|
| 0° | 2447 | 2447 | 2447 | 2447 | 2447 | |
| 5° | 3083 | 2910 | 2459 | 1982 | 1821 | 294 |
| 15° | 2273 | 2887 | 2353 | 1297 | 1132 | 628 |
| 25° | 1133 | 1686 | 2131 | 979 | 905 | 535 |
| 35° | 822 | 1022 | 1777 | 791 | 744 | 517 |
| 45° | 650 | 732 | 1314 | 626 | 629 | 503 |
| 55° | 498 | 528 | 831 | 471 | 510 | 446 |
| 65° | 333 | 347 | 455 | 322 | 362 | 331 |
| 75° | 170 | 176 | 203 | 171 | 191 | 179 |
| 85° | 38 | 42 | 40 | 43 | 43 | 42 |
| 90° | 26 | 21 | 1 | 21 | 26 | 14 |
| 95° | 33 | 27 | 53 | 27 | 33 | 28 |
| 105° | 38 | 190 | 258 | 190 | 38 | 79 |
| 115° | 510 | 498 | 485 | 498 | 510 | 479 |
| 125° | 697 | 694 | 683 | 694 | 697 | 623 |
| 135° | 859 | 859 | 850 | 859 | 859 | 663 |
| 145° | 991 | 989 | 982 | 989 | 991 | 619 |
| 155° | 1079 | 1080 | 1081 | 1080 | 1079 | 498 |
| 165° | 1138 | 1137 | 1140 | 1137 | 1138 | 321 |
| 175° | 1163 | 1164 | 1167 | 1164 | 1163 | 111 |
| 180° | 1167 | 1167 | 1167 | 1167 | 1167 | |



TEST NUMBER: P831702

CATALOG NUMBER: S123DIP-S775D805U850-4F0-1E-UDD-G

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 |
| 2.5° | 2758.0 | 2755.1 | 2752.3 | 2738.1 | 2723.9 | 2717.1 | 2710.3 | 2689.8 | 2669.4 | 2646.7 | 2624.0 |
| 5° | 3082.7 | 3090.6 | 3098.6 | 3089.5 | 3080.4 | 3052.6 | 3024.8 | 2987.9 | 2951.0 | 2909.5 | 2868.1 |
| 7.5° | 3232.6 | 3237.1 | 3241.6 | 3236.0 | 3230.3 | 3222.9 | 3215.5 | 3182.6 | 3149.7 | 3107.1 | 3064.5 |
| 10° | 3077.0 | 3087.2 | 3097.4 | 3119.6 | 3141.7 | 3166.7 | 3191.7 | 3187.1 | 3182.6 | 3170.1 | 3157.6 |
| 12.5° | 2735.2 | 2747.7 | 2760.2 | 2804.5 | 2848.8 | 2905.6 | 2962.3 | 3011.2 | 3060.0 | 3094.0 | 3128.1 |
| 15° | 2273.1 | 2307.8 | 2342.4 | 2382.7 | 2423.0 | 2506.5 | 2589.9 | 2692.7 | 2795.4 | 2886.8 | 2978.2 |
| 17.5° | 1872.3 | 1885.4 | 1898.4 | 1941.6 | 1984.7 | 2089.8 | 2194.8 | 2313.4 | 2432.1 | 2583.7 | 2735.2 |
| 20° | 1540.8 | 1552.7 | 1564.6 | 1621.4 | 1678.2 | 1760.5 | 1842.8 | 1976.2 | 2109.6 | 2272.6 | 2435.5 |
| 22.5° | 1294.4 | 1313.1 | 1331.9 | 1363.6 | 1395.4 | 1474.4 | 1553.3 | 1671.9 | 1790.6 | 1970.5 | 2150.5 |
| 25° | 1133.2 | 1146.8 | 1160.4 | 1179.7 | 1199.0 | 1262.0 | 1325.0 | 1422.7 | 1520.3 | 1685.5 | 1850.7 |
| 27.5° | 1023.0 | 1028.7 | 1034.4 | 1053.7 | 1073.0 | 1113.9 | 1154.7 | 1238.8 | 1322.8 | 1463.0 | 1603.2 |
| 30° | 936.7 | 940.7 | 944.7 | 961.7 | 978.7 | 1006.6 | 1034.4 | 1095.1 | 1155.9 | 1279.6 | 1403.4 |
| 32.5° | 876.5 | 879.4 | 882.2 | 895.3 | 908.3 | 928.2 | 948.1 | 992.4 | 1036.6 | 1138.8 | 1241.0 |
| 35° | 822.0 | 823.8 | 825.5 | 835.1 | 844.8 | 859.5 | 874.3 | 907.8 | 941.3 | 1021.9 | 1102.5 |
| 37.5° | 774.4 | 776.6 | 778.9 | 784.6 | 790.3 | 803.3 | 816.4 | 843.1 | 869.7 | 931.6 | 993.5 |
| 40° | 727.8 | 731.8 | 735.8 | 739.7 | 743.7 | 754.5 | 765.3 | 785.7 | 806.2 | 857.2 | 908.3 |
| 42.5° | 688.1 | 692.0 | 696.0 | 697.7 | 699.4 | 705.7 | 711.9 | 730.6 | 749.4 | 787.4 | 825.5 |
| 45° | 649.5 | 651.2 | 652.9 | 654.6 | 656.3 | 661.4 | 666.5 | 683.0 | 699.4 | 732.4 | 765.3 |
| 47.5° | 614.3 | 614.3 | 614.3 | 615.4 | 616.5 | 621.1 | 625.6 | 637.5 | 649.5 | 675.0 | 700.6 |
| 50° | 580.2 | 580.2 | 580.2 | 578.5 | 576.8 | 579.6 | 582.5 | 591.6 | 600.6 | 623.3 | 646.1 |
| 52.5° | 539.3 | 539.3 | 539.3 | 539.9 | 540.5 | 540.5 | 540.5 | 548.4 | 556.4 | 576.8 | 597.2 |
| 55° | 498.5 | 500.7 | 503.0 | 501.3 | 499.6 | 500.7 | 501.9 | 507.0 | 512.1 | 528.5 | 545.0 |
| 57.5° | 457.6 | 458.7 | 459.8 | 459.3 | 458.7 | 459.3 | 459.8 | 464.4 | 468.9 | 481.4 | 493.9 |
| 60° | 419.0 | 419.0 | 419.0 | 417.8 | 416.7 | 417.8 | 419.0 | 421.2 | 423.5 | 434.9 | 446.2 |
| 62.5° | 375.8 | 376.4 | 377.0 | 377.5 | 378.1 | 377.0 | 375.8 | 378.7 | 381.5 | 390.0 | 398.5 |
| 65° | 332.7 | 333.2 | 333.8 | 335.5 | 337.2 | 336.1 | 335.0 | 337.8 | 340.6 | 346.9 | 353.1 |
| 67.5° | 294.1 | 292.9 | 291.8 | 292.4 | 292.9 | 294.6 | 296.3 | 296.9 | 297.5 | 304.3 | 311.1 |
| 70° | 248.7 | 249.8 | 250.9 | 250.4 | 249.8 | 250.4 | 250.9 | 252.6 | 254.3 | 259.4 | 264.6 |
| 72.5° | 207.8 | 208.4 | 208.9 | 208.9 | 208.9 | 210.1 | 211.2 | 212.9 | 214.6 | 217.4 | 220.3 |
| 75° | 170.3 | 170.3 | 170.3 | 171.4 | 172.6 | 173.2 | 173.7 | 173.7 | 173.7 | 176.0 | 178.3 |
| 77.5° | 129.4 | 132.3 | 135.1 | 134.5 | 134.0 | 135.1 | 136.3 | 138.0 | 139.7 | 140.8 | 141.9 |
| 80° | 94.2 | 94.2 | 94.2 | 94.8 | 95.4 | 97.1 | 98.8 | 99.9 | 101.1 | 103.3 | 105.6 |
| 82.5° | 60.2 | 60.7 | 61.3 | 63.0 | 64.7 | 65.9 | 67.0 | 68.7 | 70.4 | 70.4 | 70.4 |
| 85° | 37.5 | 36.3 | 35.2 | 36.3 | 37.5 | 38.6 | 39.7 | 40.3 | 40.9 | 42.0 | 43.1 |
| 87.5° | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.7 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 |
| 90° | 26.0 | 25.6 | 25.2 | 24.9 | 24.5 | 23.9 | 23.1 | 22.3 | 21.6 | 20.8 | 18.3 |
| 92.5° | 29.5 | 29.3 | 29.1 | 28.9 | 28.7 | 27.9 | 26.6 | 25.2 | 23.9 | 22.5 | 20.8 |
| 95° | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.3 | 30.9 | 29.6 | 28.2 | 26.9 | 24.8 |
| 97.5° | 35.5 | 35.4 | 35.2 | 35.0 | 34.8 | 33.9 | 32.4 | 30.8 | 29.3 | 27.7 | 37.6 |
| 100° | 36.4 | 36.2 | 36.0 | 35.8 | 35.6 | 34.8 | 33.2 | 31.7 | 30.2 | 28.6 | 58.7 |
| 102.5° | 37.3 | 36.9 | 36.5 | 36.1 | 35.7 | 38.7 | 45.1 | 51.4 | 57.8 | 64.2 | 97.7 |
| 105° | 38.1 | 37.8 | 37.4 | 37.0 | 36.6 | 53.5 | 87.6 | 121.7 | 155.8 | 189.9 | 207.2 |
| 107.5° | 90.2 | 115.4 | 140.6 | 165.9 | 191.1 | 218.6 | 248.3 | 277.9 | 307.6 | 337.3 | 334.4 |
| 110° | 238.4 | 266.0 | 293.5 | 321.1 | 348.6 | 365.6 | 371.9 | 378.3 | 384.7 | 391.0 | 388.9 |



TEST NUMBER: P831702

CATALOG NUMBER: S123DIP-S775D805U850-4F0-1E-UDD-G

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 451.7 | 452.1 | 452.5 | 452.9 | 453.3 | 452.6 | 450.8 | 449.1 | 447.4 | 445.6 | 443.5 |
| 115° | 509.8 | 509.0 | 508.3 | 507.5 | 506.7 | 505.4 | 503.4 | 501.5 | 499.6 | 497.7 | 495.9 |
| 117.5° | 556.6 | 556.4 | 556.2 | 556.0 | 555.8 | 555.0 | 553.4 | 551.9 | 550.4 | 548.8 | 547.9 |
| 120° | 605.2 | 605.2 | 605.2 | 605.2 | 605.2 | 604.4 | 602.9 | 601.3 | 599.8 | 598.2 | 597.7 |
| 122.5° | 652.9 | 652.7 | 652.5 | 652.3 | 652.1 | 651.5 | 650.5 | 649.6 | 648.6 | 647.7 | 646.9 |
| 125° | 697.1 | 696.7 | 696.3 | 695.9 | 695.5 | 695.1 | 694.8 | 694.4 | 694.0 | 693.6 | 692.8 |
| 127.5° | 740.4 | 740.8 | 741.2 | 741.6 | 742.0 | 741.9 | 741.3 | 740.7 | 740.1 | 739.6 | 738.6 |
| 130° | 782.0 | 782.4 | 782.8 | 783.2 | 783.6 | 783.4 | 782.6 | 781.9 | 781.1 | 780.3 | 779.5 |
| 132.5° | 820.2 | 820.8 | 821.3 | 821.9 | 822.5 | 822.4 | 821.6 | 820.9 | 820.1 | 819.3 | 818.7 |
| 135° | 859.2 | 859.8 | 860.4 | 860.9 | 861.5 | 861.5 | 860.9 | 860.4 | 859.8 | 859.2 | 858.4 |
| 137.5° | 896.5 | 896.9 | 897.3 | 897.6 | 898.0 | 897.7 | 896.8 | 895.8 | 894.9 | 893.9 | 893.5 |
| 140° | 929.4 | 929.8 | 930.2 | 930.6 | 931.0 | 930.8 | 930.0 | 929.2 | 928.5 | 927.7 | 927.1 |
| 142.5° | 959.8 | 960.4 | 960.9 | 961.5 | 962.1 | 962.1 | 961.5 | 960.9 | 960.4 | 959.8 | 959.2 |
| 145° | 991.0 | 991.0 | 991.0 | 991.0 | 991.0 | 990.8 | 990.4 | 990.0 | 989.6 | 989.3 | 988.9 |
| 147.5° | 1013.5 | 1014.5 | 1015.5 | 1016.4 | 1017.4 | 1017.7 | 1017.3 | 1016.9 | 1016.5 | 1016.1 | 1015.8 |
| 150° | 1039.5 | 1040.1 | 1040.7 | 1041.3 | 1041.9 | 1042.0 | 1041.6 | 1041.2 | 1040.8 | 1040.4 | 1040.0 |
| 152.5° | 1060.4 | 1061.3 | 1062.3 | 1063.2 | 1064.2 | 1064.3 | 1063.5 | 1062.8 | 1062.0 | 1061.2 | 1061.0 |
| 155° | 1079.4 | 1080.6 | 1081.7 | 1082.9 | 1084.1 | 1084.1 | 1083.2 | 1082.2 | 1081.3 | 1080.3 | 1080.1 |
| 157.5° | 1095.9 | 1097.4 | 1099.0 | 1100.5 | 1102.1 | 1102.3 | 1101.1 | 1099.9 | 1098.8 | 1097.6 | 1097.8 |
| 160° | 1111.5 | 1112.9 | 1114.2 | 1115.6 | 1116.9 | 1117.0 | 1115.8 | 1114.7 | 1113.5 | 1112.4 | 1112.6 |
| 162.5° | 1126.2 | 1127.4 | 1128.6 | 1129.7 | 1130.9 | 1130.8 | 1129.4 | 1128.1 | 1126.7 | 1125.4 | 1125.6 |
| 165° | 1137.5 | 1138.9 | 1140.2 | 1141.6 | 1142.9 | 1142.8 | 1141.3 | 1139.7 | 1138.2 | 1136.7 | 1136.8 |
| 167.5° | 1146.2 | 1147.7 | 1149.3 | 1150.8 | 1152.4 | 1152.4 | 1150.8 | 1149.3 | 1147.7 | 1146.2 | 1146.2 |
| 170° | 1154.0 | 1155.5 | 1157.1 | 1158.6 | 1160.2 | 1160.2 | 1158.6 | 1157.1 | 1155.5 | 1154.0 | 1154.0 |
| 172.5° | 1158.3 | 1160.1 | 1161.8 | 1163.5 | 1165.3 | 1165.4 | 1163.8 | 1162.3 | 1160.7 | 1159.2 | 1159.0 |
| 175° | 1162.7 | 1164.2 | 1165.7 | 1167.3 | 1168.8 | 1168.9 | 1167.6 | 1166.2 | 1164.9 | 1163.5 | 1163.3 |
| 177.5° | 1163.5 | 1165.5 | 1167.4 | 1169.3 | 1171.2 | 1171.4 | 1169.9 | 1168.3 | 1166.8 | 1165.3 | 1165.1 |
| 180° | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 |



TEST NUMBER: P831702

CATALOG NUMBER: S123DIP-S775D805U850-4F0-1E-UDD-G

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 |
| 2.5° | 2617.2 | 2610.3 | 2585.4 | 2560.4 | 2532.0 | 2503.6 | 2482.6 | 2461.6 | 2430.4 | 2399.2 | 2373.6 |
| 5° | 2836.3 | 2804.5 | 2751.7 | 2698.9 | 2627.4 | 2555.8 | 2507.6 | 2459.3 | 2394.6 | 2329.9 | 2278.2 |
| 7.5° | 3010.0 | 2955.5 | 2881.7 | 2807.9 | 2714.2 | 2620.6 | 2532.0 | 2443.4 | 2344.7 | 2245.9 | 2165.3 |
| 10° | 3120.7 | 3083.8 | 2998.7 | 2913.5 | 2788.0 | 2662.6 | 2538.8 | 2415.1 | 2287.9 | 2160.7 | 2054.0 |
| 12.5° | 3131.5 | 3134.9 | 3056.6 | 2978.2 | 2836.3 | 2694.4 | 2543.9 | 2393.5 | 2233.4 | 2073.3 | 1949.0 |
| 15° | 3036.7 | 3095.2 | 3052.0 | 3008.9 | 2865.8 | 2722.8 | 2537.7 | 2352.6 | 2168.1 | 1983.6 | 1840.0 |
| 17.5° | 2860.7 | 2986.2 | 2992.4 | 2998.7 | 2855.6 | 2712.5 | 2507.6 | 2302.6 | 2093.7 | 1884.8 | 1733.8 |
| 20° | 2620.6 | 2805.6 | 2869.2 | 2932.8 | 2816.4 | 2700.0 | 2479.8 | 2259.5 | 2025.6 | 1791.7 | 1633.3 |
| 22.5° | 2375.3 | 2600.1 | 2716.5 | 2832.9 | 2746.6 | 2660.3 | 2425.8 | 2191.4 | 1944.4 | 1697.5 | 1536.8 |
| 25° | 2096.0 | 2341.3 | 2520.1 | 2698.9 | 2646.1 | 2593.3 | 2362.3 | 2131.2 | 1868.3 | 1605.5 | 1441.4 |
| 27.5° | 1852.4 | 2101.7 | 2317.4 | 2533.1 | 2521.8 | 2510.4 | 2281.1 | 2051.7 | 1782.6 | 1513.5 | 1355.1 |
| 30° | 1635.6 | 1867.8 | 2109.1 | 2350.3 | 2378.2 | 2406.0 | 2184.6 | 1963.2 | 1693.5 | 1423.8 | 1271.1 |
| 32.5° | 1443.7 | 1646.4 | 1905.2 | 2164.1 | 2218.6 | 2273.1 | 2073.3 | 1873.5 | 1606.6 | 1339.8 | 1192.8 |
| 35° | 1286.4 | 1470.4 | 1729.3 | 1988.1 | 2056.3 | 2124.4 | 1950.7 | 1776.9 | 1516.9 | 1256.9 | 1116.7 |
| 37.5° | 1147.3 | 1301.2 | 1553.8 | 1806.5 | 1889.9 | 1973.4 | 1817.8 | 1662.3 | 1418.7 | 1175.2 | 1046.3 |
| 40° | 1032.1 | 1155.9 | 1388.1 | 1620.3 | 1716.8 | 1813.3 | 1685.0 | 1556.7 | 1325.6 | 1094.6 | 975.9 |
| 42.5° | 935.6 | 1045.7 | 1256.4 | 1467.0 | 1559.5 | 1652.0 | 1543.6 | 1435.2 | 1229.7 | 1024.2 | 915.7 |
| 45° | 853.3 | 941.3 | 1132.6 | 1323.9 | 1411.9 | 1499.9 | 1406.8 | 1313.7 | 1132.6 | 951.5 | 850.4 |
| 47.5° | 776.1 | 851.6 | 1015.1 | 1178.6 | 1256.9 | 1335.3 | 1262.6 | 1189.9 | 1036.6 | 883.4 | 792.0 |
| 50° | 706.8 | 767.5 | 910.6 | 1053.7 | 1121.8 | 1189.9 | 1125.8 | 1061.6 | 935.6 | 809.6 | 730.1 |
| 52.5° | 646.6 | 696.0 | 815.8 | 935.6 | 994.1 | 1052.5 | 997.5 | 942.4 | 842.5 | 742.6 | 673.3 |
| 55° | 587.0 | 629.0 | 732.9 | 836.8 | 876.5 | 916.3 | 873.7 | 831.1 | 750.5 | 669.9 | 611.4 |
| 57.5° | 531.4 | 568.8 | 654.0 | 739.2 | 769.8 | 800.5 | 761.9 | 723.3 | 662.5 | 601.8 | 553.0 |
| 60° | 476.9 | 507.5 | 578.5 | 649.5 | 668.2 | 686.9 | 655.7 | 624.5 | 581.9 | 539.3 | 495.6 |
| 62.5° | 426.4 | 454.2 | 507.0 | 559.8 | 572.3 | 584.7 | 560.9 | 537.1 | 504.7 | 472.3 | 438.3 |
| 65° | 374.1 | 395.1 | 438.3 | 481.4 | 489.4 | 497.3 | 476.3 | 455.3 | 430.9 | 406.5 | 381.5 |
| 67.5° | 325.9 | 340.6 | 375.8 | 411.0 | 411.6 | 412.2 | 395.1 | 378.1 | 364.5 | 350.8 | 331.0 |
| 70° | 278.7 | 292.9 | 316.2 | 339.5 | 340.1 | 340.6 | 327.0 | 313.4 | 303.2 | 292.9 | 278.2 |
| 72.5° | 230.5 | 240.7 | 258.3 | 275.9 | 274.8 | 273.6 | 265.1 | 256.6 | 248.7 | 240.7 | 229.9 |
| 75° | 186.8 | 195.3 | 207.2 | 219.1 | 215.7 | 212.3 | 207.8 | 203.2 | 196.4 | 189.6 | 182.8 |
| 77.5° | 147.0 | 152.1 | 159.0 | 165.8 | 163.5 | 161.2 | 157.3 | 153.3 | 148.2 | 143.1 | 140.2 |
| 80° | 107.9 | 110.1 | 114.7 | 119.2 | 118.1 | 116.9 | 112.4 | 107.9 | 106.7 | 105.6 | 101.6 |
| 82.5° | 73.2 | 76.1 | 77.2 | 78.3 | 77.8 | 77.2 | 73.8 | 70.4 | 69.3 | 68.1 | 67.6 |
| 85° | 43.7 | 44.3 | 44.8 | 45.4 | 43.7 | 42.0 | 40.9 | 39.7 | 39.7 | 39.7 | 39.2 |
| 87.5° | 19.9 | 20.4 | 20.4 | 20.4 | 19.9 | 19.3 | 18.2 | 17.0 | 17.6 | 18.2 | 18.2 |
| 90° | 15.8 | 13.3 | 10.8 | 8.6 | 6.6 | 4.7 | 2.8 | 0.9 | 2.8 | 4.7 | 6.6 |
| 92.5° | 19.1 | 17.3 | 15.6 | 15.3 | 16.5 | 17.6 | 18.8 | 19.9 | 18.8 | 17.6 | 16.5 |
| 95° | 22.6 | 20.5 | 18.4 | 21.3 | 29.2 | 37.1 | 45.0 | 52.9 | 45.0 | 37.1 | 29.2 |
| 97.5° | 47.4 | 57.2 | 67.0 | 74.7 | 80.1 | 85.4 | 90.8 | 96.2 | 90.8 | 85.4 | 80.1 |
| 100° | 88.7 | 118.8 | 148.8 | 161.9 | 158.1 | 154.2 | 150.4 | 146.5 | 150.4 | 154.2 | 158.1 |
| 102.5° | 131.2 | 164.7 | 198.3 | 213.8 | 211.3 | 208.8 | 206.3 | 203.7 | 206.3 | 208.8 | 211.3 |
| 105° | 224.6 | 241.9 | 259.2 | 266.8 | 264.7 | 262.6 | 260.5 | 258.4 | 260.5 | 262.6 | 264.7 |
| 107.5° | 331.5 | 328.6 | 325.7 | 323.4 | 321.7 | 319.9 | 318.2 | 316.5 | 318.2 | 319.9 | 321.7 |
| 110° | 386.8 | 384.7 | 382.5 | 380.7 | 379.2 | 377.6 | 376.1 | 374.5 | 376.1 | 377.6 | 379.2 |



TEST NUMBER: P831702

CATALOG NUMBER: S123DIP-S775D805U850-4F0-1E-UDD-G

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 441.4 | 439.3 | 437.2 | 435.4 | 434.1 | 432.7 | 431.4 | 430.0 | 431.4 | 432.7 | 434.1 |
| 115° | 494.2 | 492.5 | 490.7 | 489.3 | 488.1 | 487.0 | 485.8 | 484.7 | 485.8 | 487.0 | 488.1 |
| 117.5° | 546.9 | 545.9 | 545.0 | 543.8 | 542.5 | 541.1 | 539.8 | 538.4 | 539.8 | 541.1 | 542.5 |
| 120° | 597.1 | 596.5 | 595.9 | 594.8 | 593.0 | 591.3 | 589.6 | 587.8 | 589.6 | 591.3 | 593.0 |
| 122.5° | 646.1 | 645.3 | 644.6 | 643.5 | 642.2 | 640.8 | 639.5 | 638.1 | 639.5 | 640.8 | 642.2 |
| 125° | 692.1 | 691.3 | 690.5 | 689.4 | 687.8 | 686.3 | 684.7 | 683.2 | 684.7 | 686.3 | 687.8 |
| 127.5° | 737.6 | 736.7 | 735.7 | 734.5 | 732.9 | 731.4 | 729.8 | 728.3 | 729.8 | 731.4 | 732.9 |
| 130° | 778.8 | 778.0 | 777.2 | 776.1 | 774.5 | 773.0 | 771.4 | 769.9 | 771.4 | 773.0 | 774.5 |
| 132.5° | 818.2 | 817.6 | 817.0 | 816.0 | 814.4 | 812.9 | 811.3 | 809.8 | 811.3 | 812.9 | 814.4 |
| 135° | 857.7 | 856.9 | 856.1 | 855.2 | 854.0 | 852.8 | 851.7 | 850.5 | 851.7 | 852.8 | 854.0 |
| 137.5° | 893.1 | 892.7 | 892.3 | 891.4 | 889.8 | 888.3 | 886.8 | 885.2 | 886.8 | 888.3 | 889.8 |
| 140° | 926.5 | 926.0 | 925.4 | 924.5 | 923.4 | 922.2 | 921.1 | 919.9 | 921.1 | 922.2 | 923.4 |
| 142.5° | 958.6 | 958.0 | 957.5 | 956.6 | 955.4 | 954.3 | 953.1 | 952.0 | 953.1 | 954.3 | 955.4 |
| 145° | 988.5 | 988.1 | 987.7 | 986.9 | 985.5 | 984.2 | 982.8 | 981.5 | 982.8 | 984.2 | 985.5 |
| 147.5° | 1015.4 | 1015.0 | 1014.6 | 1013.9 | 1013.0 | 1012.0 | 1011.0 | 1010.1 | 1011.0 | 1012.0 | 1013.0 |
| 150° | 1039.6 | 1039.3 | 1038.9 | 1038.4 | 1037.8 | 1037.2 | 1036.7 | 1036.1 | 1036.7 | 1037.2 | 1037.8 |
| 152.5° | 1060.8 | 1060.6 | 1060.4 | 1060.3 | 1060.1 | 1059.9 | 1059.7 | 1059.5 | 1059.7 | 1059.9 | 1060.1 |
| 155° | 1079.9 | 1079.7 | 1079.5 | 1079.6 | 1080.0 | 1080.4 | 1080.8 | 1081.2 | 1080.8 | 1080.4 | 1080.0 |
| 157.5° | 1098.0 | 1098.2 | 1098.4 | 1098.5 | 1098.5 | 1098.5 | 1098.5 | 1098.5 | 1098.5 | 1098.5 | 1098.5 |
| 160° | 1112.8 | 1113.0 | 1113.1 | 1113.3 | 1113.5 | 1113.7 | 1113.9 | 1114.1 | 1113.9 | 1113.7 | 1113.5 |
| 162.5° | 1125.8 | 1126.0 | 1126.1 | 1126.5 | 1127.1 | 1127.7 | 1128.3 | 1128.8 | 1128.3 | 1127.7 | 1127.1 |
| 165° | 1137.0 | 1137.2 | 1137.4 | 1137.8 | 1138.4 | 1139.0 | 1139.5 | 1140.1 | 1139.5 | 1139.0 | 1138.4 |
| 167.5° | 1146.2 | 1146.2 | 1146.2 | 1146.6 | 1147.3 | 1148.1 | 1148.9 | 1149.7 | 1148.9 | 1148.1 | 1147.3 |
| 170° | 1154.0 | 1154.0 | 1154.0 | 1154.4 | 1155.1 | 1155.9 | 1156.7 | 1157.5 | 1156.7 | 1155.9 | 1155.1 |
| 172.5° | 1158.8 | 1158.6 | 1158.4 | 1158.8 | 1159.8 | 1160.7 | 1161.7 | 1162.7 | 1161.7 | 1160.7 | 1159.8 |
| 175° | 1163.1 | 1162.9 | 1162.8 | 1163.1 | 1164.1 | 1165.1 | 1166.0 | 1167.0 | 1166.0 | 1165.1 | 1164.1 |
| 177.5° | 1164.9 | 1164.7 | 1164.5 | 1164.9 | 1165.8 | 1166.8 | 1167.8 | 1168.7 | 1167.8 | 1166.8 | 1165.8 |
| 180° | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 |



TEST NUMBER: P831702

CATALOG NUMBER: S123DIP-S775D805U850-4F0-1E-UDD-G

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 | 2446.8 |
| 2.5° | 2348.1 | 2325.9 | 2303.8 | 2286.8 | 2269.7 | 2240.8 | 2211.8 | 2205.0 | 2198.2 | 2188.5 | 2178.9 |
| 5° | 2226.6 | 2172.1 | 2117.6 | 2068.7 | 2019.9 | 1981.9 | 1943.9 | 1918.9 | 1893.9 | 1875.7 | 1857.6 |
| 7.5° | 2084.6 | 2002.9 | 1921.1 | 1863.2 | 1805.3 | 1750.3 | 1695.2 | 1677.6 | 1660.0 | 1636.2 | 1612.3 |
| 10° | 1947.3 | 1857.0 | 1766.7 | 1691.2 | 1615.7 | 1561.8 | 1507.8 | 1486.3 | 1464.7 | 1434.6 | 1404.5 |
| 12.5° | 1824.6 | 1725.8 | 1627.1 | 1551.0 | 1474.9 | 1422.7 | 1370.5 | 1339.2 | 1308.0 | 1291.0 | 1273.9 |
| 15° | 1696.3 | 1590.7 | 1485.1 | 1414.7 | 1344.3 | 1297.2 | 1250.1 | 1222.9 | 1195.6 | 1179.1 | 1162.7 |
| 17.5° | 1582.8 | 1478.3 | 1373.9 | 1306.3 | 1238.8 | 1195.6 | 1152.5 | 1128.6 | 1104.8 | 1092.3 | 1079.8 |
| 20° | 1474.9 | 1372.7 | 1270.5 | 1204.7 | 1138.8 | 1103.6 | 1068.4 | 1053.1 | 1037.8 | 1027.6 | 1017.3 |
| 22.5° | 1376.1 | 1275.7 | 1175.2 | 1119.0 | 1062.8 | 1034.4 | 1006.0 | 995.2 | 984.4 | 975.9 | 967.4 |
| 25° | 1277.4 | 1187.7 | 1098.0 | 1050.3 | 1002.6 | 979.3 | 956.0 | 945.2 | 934.5 | 925.9 | 917.4 |
| 27.5° | 1196.7 | 1111.0 | 1025.3 | 984.4 | 943.5 | 925.4 | 907.2 | 898.7 | 890.2 | 882.2 | 874.3 |
| 30° | 1118.4 | 1041.8 | 965.1 | 929.9 | 894.7 | 878.3 | 861.8 | 853.3 | 844.8 | 837.4 | 830.0 |
| 32.5° | 1045.7 | 979.9 | 914.0 | 881.7 | 849.3 | 835.7 | 822.0 | 811.8 | 801.6 | 795.9 | 790.3 |
| 35° | 976.5 | 917.4 | 858.4 | 831.7 | 805.0 | 791.4 | 777.8 | 769.3 | 760.7 | 756.2 | 751.7 |
| 37.5° | 917.4 | 864.6 | 811.8 | 786.3 | 760.7 | 747.7 | 734.6 | 727.2 | 719.9 | 718.2 | 716.5 |
| 40° | 857.2 | 811.8 | 766.4 | 741.4 | 716.5 | 705.1 | 693.7 | 689.2 | 684.7 | 683.5 | 682.4 |
| 42.5° | 807.3 | 763.0 | 718.7 | 696.0 | 673.3 | 663.7 | 654.0 | 651.7 | 649.5 | 651.2 | 652.9 |
| 45° | 749.4 | 712.5 | 675.6 | 654.6 | 633.6 | 625.6 | 617.7 | 616.0 | 614.3 | 617.7 | 621.1 |
| 47.5° | 700.6 | 666.5 | 632.4 | 612.6 | 592.7 | 587.0 | 581.3 | 580.8 | 580.2 | 584.7 | 589.3 |
| 50° | 650.6 | 617.7 | 584.7 | 568.8 | 553.0 | 547.8 | 542.7 | 544.4 | 546.1 | 553.5 | 560.9 |
| 52.5° | 604.0 | 573.4 | 542.7 | 528.0 | 513.2 | 509.8 | 506.4 | 510.4 | 514.3 | 522.3 | 530.2 |
| 55° | 553.0 | 525.1 | 497.3 | 486.0 | 474.6 | 471.2 | 467.8 | 475.7 | 483.7 | 491.1 | 498.5 |
| 57.5° | 504.1 | 479.7 | 455.3 | 445.1 | 434.9 | 434.3 | 433.7 | 441.1 | 448.5 | 456.4 | 464.4 |
| 60° | 451.9 | 431.5 | 411.0 | 403.1 | 395.1 | 396.3 | 397.4 | 405.9 | 414.4 | 420.7 | 426.9 |
| 62.5° | 404.2 | 387.2 | 370.1 | 362.8 | 355.4 | 358.2 | 361.1 | 369.6 | 378.1 | 385.5 | 392.9 |
| 65° | 356.5 | 342.3 | 328.1 | 323.0 | 317.9 | 321.9 | 325.9 | 333.2 | 340.6 | 345.7 | 350.8 |
| 67.5° | 311.1 | 299.2 | 287.3 | 283.3 | 279.3 | 283.3 | 287.3 | 294.6 | 302.0 | 307.1 | 312.2 |
| 70° | 263.4 | 253.8 | 244.1 | 241.3 | 238.4 | 243.0 | 247.5 | 253.8 | 260.0 | 265.1 | 270.2 |
| 72.5° | 219.1 | 211.8 | 204.4 | 203.8 | 203.2 | 207.2 | 211.2 | 217.4 | 223.7 | 227.1 | 230.5 |
| 75° | 176.0 | 172.0 | 168.0 | 167.5 | 166.9 | 170.9 | 174.9 | 178.3 | 181.7 | 184.5 | 187.3 |
| 77.5° | 137.4 | 134.0 | 130.6 | 131.1 | 131.7 | 134.5 | 137.4 | 140.8 | 144.2 | 145.9 | 147.6 |
| 80° | 97.6 | 96.5 | 95.4 | 96.5 | 97.6 | 99.9 | 102.2 | 104.5 | 106.7 | 107.9 | 109.0 |
| 82.5° | 67.0 | 65.9 | 64.7 | 66.4 | 68.1 | 69.8 | 71.5 | 73.2 | 74.9 | 75.5 | 76.1 |
| 85° | 38.6 | 40.3 | 42.0 | 42.0 | 42.0 | 42.6 | 43.1 | 43.7 | 44.3 | 43.7 | 43.1 |
| 87.5° | 18.2 | 18.7 | 19.3 | 19.3 | 19.3 | 19.9 | 20.4 | 20.4 | 20.4 | 19.9 | 19.3 |
| 90° | 8.6 | 10.8 | 13.3 | 15.8 | 18.3 | 20.8 | 21.6 | 22.3 | 23.1 | 23.9 | 24.5 |
| 92.5° | 15.3 | 15.6 | 17.3 | 19.1 | 20.8 | 22.5 | 23.9 | 25.2 | 26.6 | 27.9 | 28.7 |
| 95° | 21.3 | 18.4 | 20.5 | 22.6 | 24.8 | 26.9 | 28.2 | 29.6 | 30.9 | 32.3 | 32.9 |
| 97.5° | 74.7 | 67.0 | 57.2 | 47.4 | 37.6 | 27.7 | 29.3 | 30.8 | 32.4 | 33.9 | 34.8 |
| 100° | 161.9 | 148.8 | 118.8 | 88.7 | 58.7 | 28.6 | 30.2 | 31.7 | 33.2 | 34.8 | 35.6 |
| 102.5° | 213.8 | 198.3 | 164.7 | 131.2 | 97.7 | 64.2 | 57.8 | 51.4 | 45.1 | 38.7 | 35.7 |
| 105° | 266.8 | 259.2 | 241.9 | 224.6 | 207.2 | 189.9 | 155.8 | 121.7 | 87.6 | 53.5 | 36.6 |
| 107.5° | 323.4 | 325.7 | 328.6 | 331.5 | 334.4 | 337.3 | 307.6 | 277.9 | 248.3 | 218.6 | 191.1 |
| 110° | 380.7 | 382.5 | 384.7 | 386.8 | 388.9 | 391.0 | 384.7 | 378.3 | 371.9 | 365.6 | 348.6 |



TEST NUMBER: P831702

CATALOG NUMBER: S123DIP-S775D805U850-4F0-1E-UDD-G

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 435.4 | 437.2 | 439.3 | 441.4 | 443.5 | 445.6 | 447.4 | 449.1 | 450.8 | 452.6 | 453.3 |
| 115° | 489.3 | 490.7 | 492.5 | 494.2 | 495.9 | 497.7 | 499.6 | 501.5 | 503.4 | 505.4 | 506.7 |
| 117.5° | 543.8 | 545.0 | 545.9 | 546.9 | 547.9 | 548.8 | 550.4 | 551.9 | 553.4 | 555.0 | 555.8 |
| 120° | 594.8 | 595.9 | 596.5 | 597.1 | 597.7 | 598.2 | 599.8 | 601.3 | 602.9 | 604.4 | 605.2 |
| 122.5° | 643.5 | 644.6 | 645.3 | 646.1 | 646.9 | 647.7 | 648.6 | 649.6 | 650.5 | 651.5 | 652.1 |
| 125° | 689.4 | 690.5 | 691.3 | 692.1 | 692.8 | 693.6 | 694.0 | 694.4 | 694.8 | 695.1 | 695.5 |
| 127.5° | 734.5 | 735.7 | 736.7 | 737.6 | 738.6 | 739.6 | 740.1 | 740.7 | 741.3 | 741.9 | 742.0 |
| 130° | 776.1 | 777.2 | 778.0 | 778.8 | 779.5 | 780.3 | 781.1 | 781.9 | 782.6 | 783.4 | 783.6 |
| 132.5° | 816.0 | 817.0 | 817.6 | 818.2 | 818.7 | 819.3 | 820.1 | 820.9 | 821.6 | 822.4 | 822.5 |
| 135° | 855.2 | 856.1 | 856.9 | 857.7 | 858.4 | 859.2 | 859.8 | 860.4 | 860.9 | 861.5 | 861.5 |
| 137.5° | 891.4 | 892.3 | 892.7 | 893.1 | 893.5 | 893.9 | 894.9 | 895.8 | 896.8 | 897.7 | 898.0 |
| 140° | 924.5 | 925.4 | 926.0 | 926.5 | 927.1 | 927.7 | 928.5 | 929.2 | 930.0 | 930.8 | 931.0 |
| 142.5° | 956.6 | 957.5 | 958.0 | 958.6 | 959.2 | 959.8 | 960.4 | 960.9 | 961.5 | 962.1 | 962.1 |
| 145° | 986.9 | 987.7 | 988.1 | 988.5 | 988.9 | 989.3 | 989.6 | 990.0 | 990.4 | 990.8 | 991.0 |
| 147.5° | 1013.9 | 1014.6 | 1015.0 | 1015.4 | 1015.8 | 1016.1 | 1016.5 | 1016.9 | 1017.3 | 1017.7 | 1017.4 |
| 150° | 1038.4 | 1038.9 | 1039.3 | 1039.6 | 1040.0 | 1040.4 | 1040.8 | 1041.2 | 1041.6 | 1042.0 | 1041.9 |
| 152.5° | 1060.3 | 1060.4 | 1060.6 | 1060.8 | 1061.0 | 1061.2 | 1062.0 | 1062.8 | 1063.5 | 1064.3 | 1064.2 |
| 155° | 1079.6 | 1079.5 | 1079.7 | 1079.9 | 1080.1 | 1080.3 | 1081.3 | 1082.2 | 1083.2 | 1084.1 | 1084.1 |
| 157.5° | 1098.5 | 1098.4 | 1098.2 | 1098.0 | 1097.8 | 1097.6 | 1098.8 | 1099.9 | 1101.1 | 1102.3 | 1102.1 |
| 160° | 1113.3 | 1113.1 | 1113.0 | 1112.8 | 1112.6 | 1112.4 | 1113.5 | 1114.7 | 1115.8 | 1117.0 | 1116.9 |
| 162.5° | 1126.5 | 1126.1 | 1126.0 | 1125.8 | 1125.6 | 1125.4 | 1126.7 | 1128.1 | 1129.4 | 1130.8 | 1130.9 |
| 165° | 1137.8 | 1137.4 | 1137.2 | 1137.0 | 1136.8 | 1136.7 | 1138.2 | 1139.7 | 1141.3 | 1142.8 | 1142.9 |
| 167.5° | 1146.6 | 1146.2 | 1146.2 | 1146.2 | 1146.2 | 1146.2 | 1147.7 | 1149.3 | 1150.8 | 1152.4 | 1152.4 |
| 170° | 1154.4 | 1154.0 | 1154.0 | 1154.0 | 1154.0 | 1154.0 | 1155.5 | 1157.1 | 1158.6 | 1160.2 | 1160.2 |
| 172.5° | 1158.8 | 1158.4 | 1158.6 | 1158.8 | 1159.0 | 1159.2 | 1160.7 | 1162.3 | 1163.8 | 1165.4 | 1165.3 |
| 175° | 1163.1 | 1162.8 | 1162.9 | 1163.1 | 1163.3 | 1163.5 | 1164.9 | 1166.2 | 1167.6 | 1168.9 | 1168.8 |
| 177.5° | 1164.9 | 1164.5 | 1164.7 | 1164.9 | 1165.1 | 1165.3 | 1166.8 | 1168.3 | 1169.9 | 1171.4 | 1171.2 |
| 180° | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 | 1167.0 |



TEST NUMBER: P831702

CATALOG NUMBER: S123DIP-S775D805U850-4F0-1E-UDD-G

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|--------|--------|--------|--------|--------|
| 0° | 2446.8 | 2446.8 | 2446.8 | 2446.8 |
| 2.5° | 2174.9 | 2170.9 | 2155.0 | 2139.1 |
| 5° | 1843.9 | 1830.3 | 1825.8 | 1821.2 |
| 7.5° | 1611.2 | 1610.0 | 1586.2 | 1562.3 |
| 10° | 1406.2 | 1407.9 | 1386.4 | 1364.8 |
| 12.5° | 1259.8 | 1245.6 | 1243.9 | 1242.2 |
| 15° | 1149.6 | 1136.6 | 1134.3 | 1132.0 |
| 17.5° | 1071.8 | 1063.9 | 1061.6 | 1059.4 |
| 20° | 1012.8 | 1008.3 | 1004.3 | 1000.3 |
| 22.5° | 961.7 | 956.0 | 952.6 | 949.2 |
| 25° | 912.3 | 907.2 | 906.1 | 904.9 |
| 27.5° | 868.0 | 861.8 | 861.8 | 861.8 |
| 30° | 826.0 | 822.0 | 820.3 | 818.6 |
| 32.5° | 786.9 | 783.4 | 783.4 | 783.4 |
| 35° | 749.9 | 748.2 | 746.0 | 743.7 |
| 37.5° | 716.5 | 716.5 | 715.3 | 714.2 |
| 40° | 684.1 | 685.8 | 685.8 | 685.8 |
| 42.5° | 654.6 | 656.3 | 656.3 | 656.3 |
| 45° | 623.9 | 626.8 | 627.9 | 629.0 |
| 47.5° | 593.8 | 598.4 | 599.5 | 600.6 |
| 50° | 564.3 | 567.7 | 568.3 | 568.8 |
| 52.5° | 534.2 | 538.2 | 541.0 | 543.9 |
| 55° | 502.4 | 506.4 | 508.1 | 509.8 |
| 57.5° | 468.4 | 472.3 | 472.9 | 473.5 |
| 60° | 430.9 | 434.9 | 436.0 | 437.1 |
| 62.5° | 395.1 | 397.4 | 398.5 | 399.7 |
| 65° | 354.3 | 357.7 | 359.9 | 362.2 |
| 67.5° | 315.1 | 317.9 | 317.9 | 317.9 |
| 70° | 271.4 | 272.5 | 274.2 | 275.9 |
| 72.5° | 231.1 | 231.6 | 231.6 | 231.6 |
| 75° | 188.5 | 189.6 | 190.2 | 190.8 |
| 77.5° | 148.2 | 148.7 | 148.7 | 148.7 |
| 80° | 108.4 | 107.9 | 107.9 | 107.9 |
| 82.5° | 74.4 | 72.7 | 72.7 | 72.7 |
| 85° | 42.6 | 42.0 | 42.6 | 43.1 |
| 87.5° | 19.3 | 19.3 | 19.3 | 19.3 |
| 90° | 24.9 | 25.2 | 25.6 | 26.0 |
| 92.5° | 28.9 | 29.1 | 29.3 | 29.5 |
| 95° | 32.9 | 32.9 | 32.9 | 32.9 |
| 97.5° | 35.0 | 35.2 | 35.4 | 35.5 |
| 100° | 35.8 | 36.0 | 36.2 | 36.4 |
| 102.5° | 36.1 | 36.5 | 36.9 | 37.3 |
| 105° | 37.0 | 37.4 | 37.8 | 38.1 |
| 107.5° | 165.9 | 140.6 | 115.4 | 90.2 |
| 110° | 321.1 | 293.5 | 266.0 | 238.4 |



TEST NUMBER: P831702

CATALOG NUMBER: S123DIP-S775D805U850-4F0-1E-UDD-G

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|--------|--------|--------|--------|--------|
| 112.5° | 452.9 | 452.5 | 452.1 | 451.7 |
| 115° | 507.5 | 508.3 | 509.0 | 509.8 |
| 117.5° | 556.0 | 556.2 | 556.4 | 556.6 |
| 120° | 605.2 | 605.2 | 605.2 | 605.2 |
| 122.5° | 652.3 | 652.5 | 652.7 | 652.9 |
| 125° | 695.9 | 696.3 | 696.7 | 697.1 |
| 127.5° | 741.6 | 741.2 | 740.8 | 740.4 |
| 130° | 783.2 | 782.8 | 782.4 | 782.0 |
| 132.5° | 821.9 | 821.3 | 820.8 | 820.2 |
| 135° | 860.9 | 860.4 | 859.8 | 859.2 |
| 137.5° | 897.6 | 897.3 | 896.9 | 896.5 |
| 140° | 930.6 | 930.2 | 929.8 | 929.4 |
| 142.5° | 961.5 | 960.9 | 960.4 | 959.8 |
| 145° | 991.0 | 991.0 | 991.0 | 991.0 |
| 147.5° | 1016.4 | 1015.5 | 1014.5 | 1013.5 |
| 150° | 1041.3 | 1040.7 | 1040.1 | 1039.5 |
| 152.5° | 1063.2 | 1062.3 | 1061.3 | 1060.4 |
| 155° | 1082.9 | 1081.7 | 1080.6 | 1079.4 |
| 157.5° | 1100.5 | 1099.0 | 1097.4 | 1095.9 |
| 160° | 1115.6 | 1114.2 | 1112.9 | 1111.5 |
| 162.5° | 1129.7 | 1128.6 | 1127.4 | 1126.2 |
| 165° | 1141.6 | 1140.2 | 1138.9 | 1137.5 |
| 167.5° | 1150.8 | 1149.3 | 1147.7 | 1146.2 |
| 170° | 1158.6 | 1157.1 | 1155.5 | 1154.0 |
| 172.5° | 1163.5 | 1161.8 | 1160.1 | 1158.3 |
| 175° | 1167.3 | 1165.7 | 1164.2 | 1162.7 |
| 177.5° | 1169.3 | 1167.4 | 1165.5 | 1163.5 |
| 180° | 1167.0 | 1167.0 | 1167.0 | 1167.0 |



TEST NUMBER: P831702

CATALOG NUMBER: S123DIP-S775D805U850-4F0-1E-UDD-G

CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 15.17 | 16.01 | 16.11 | 16.97 | 18.20 | 17.40 | 18.25 | 18.34 | 19.20 | 20.44 |
| | 3H | 16.81 | 17.57 | 17.77 | 18.53 | 19.79 | 18.83 | 19.58 | 19.78 | 20.55 | 21.81 |
| | 4H | 17.39 | 18.10 | 18.36 | 19.07 | 20.34 | 19.28 | 19.99 | 20.24 | 20.96 | 22.23 |
| | 6H | 17.76 | 18.42 | 18.74 | 19.39 | 20.67 | 19.55 | 20.21 | 20.53 | 21.18 | 22.47 |
| | 8H | 17.85 | 18.48 | 18.84 | 19.47 | 20.75 | 19.61 | 20.24 | 20.60 | 21.23 | 22.51 |
| | 12H | 17.90 | 18.50 | 18.89 | 19.48 | 20.78 | 19.63 | 20.23 | 20.62 | 21.21 | 22.51 |
| 4H | 2H | 15.74 | 16.46 | 16.71 | 17.42 | 18.69 | 17.56 | 18.28 | 18.54 | 19.25 | 20.52 |
| | 3H | 17.57 | 18.16 | 18.55 | 19.16 | 20.44 | 19.18 | 19.78 | 20.16 | 20.78 | 22.06 |
| | 4H | 18.26 | 18.81 | 19.26 | 19.80 | 21.11 | 19.76 | 20.31 | 20.76 | 21.30 | 22.61 |
| | 6H | 18.74 | 19.21 | 19.74 | 20.22 | 21.53 | 20.17 | 20.64 | 21.17 | 21.65 | 22.96 |
| | 8H | 18.87 | 19.31 | 19.88 | 20.32 | 21.64 | 20.28 | 20.72 | 21.28 | 21.72 | 23.04 |
| | 12H | 18.94 | 19.33 | 19.96 | 20.36 | 21.68 | 20.32 | 20.72 | 21.35 | 21.74 | 23.07 |
| 8H | 4H | 18.53 | 18.97 | 19.53 | 19.97 | 21.29 | 19.87 | 20.31 | 20.87 | 21.31 | 22.63 |
| | 6H | 19.12 | 19.48 | 20.15 | 20.53 | 21.84 | 20.37 | 20.73 | 21.40 | 21.78 | 23.10 |
| | 8H | 19.32 | 19.64 | 20.36 | 20.68 | 22.01 | 20.55 | 20.87 | 21.59 | 21.90 | 23.24 |
| | 12H | 19.45 | 19.73 | 20.49 | 20.76 | 22.14 | 20.65 | 20.93 | 21.69 | 21.96 | 23.34 |
| 12H | 4H | 18.53 | 18.92 | 19.55 | 19.95 | 21.27 | 19.84 | 20.24 | 20.87 | 21.26 | 22.59 |
| | 6H | 19.17 | 19.49 | 20.20 | 20.52 | 21.86 | 20.39 | 20.70 | 21.42 | 21.74 | 23.08 |
| | 8H | 19.40 | 19.68 | 20.44 | 20.71 | 22.09 | 20.58 | 20.86 | 21.62 | 21.89 | 23.27 |