

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: P831655

Luminaire Tested: S123DIP-S775D365U930-4F0-1E-UDD-G1

Issue Date: 05/03/2024

Test Information

Test Method: LM-79-2019
Report Number: P831655
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2301-905-1, G3-1807-864-9)
Test Lab: INNOVATION CENTER
Issue Date: 05/03/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-S775D365U930-4F0-1E-UDD-G1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, GRAZE OPTIC
UPLIGHT 365 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: -

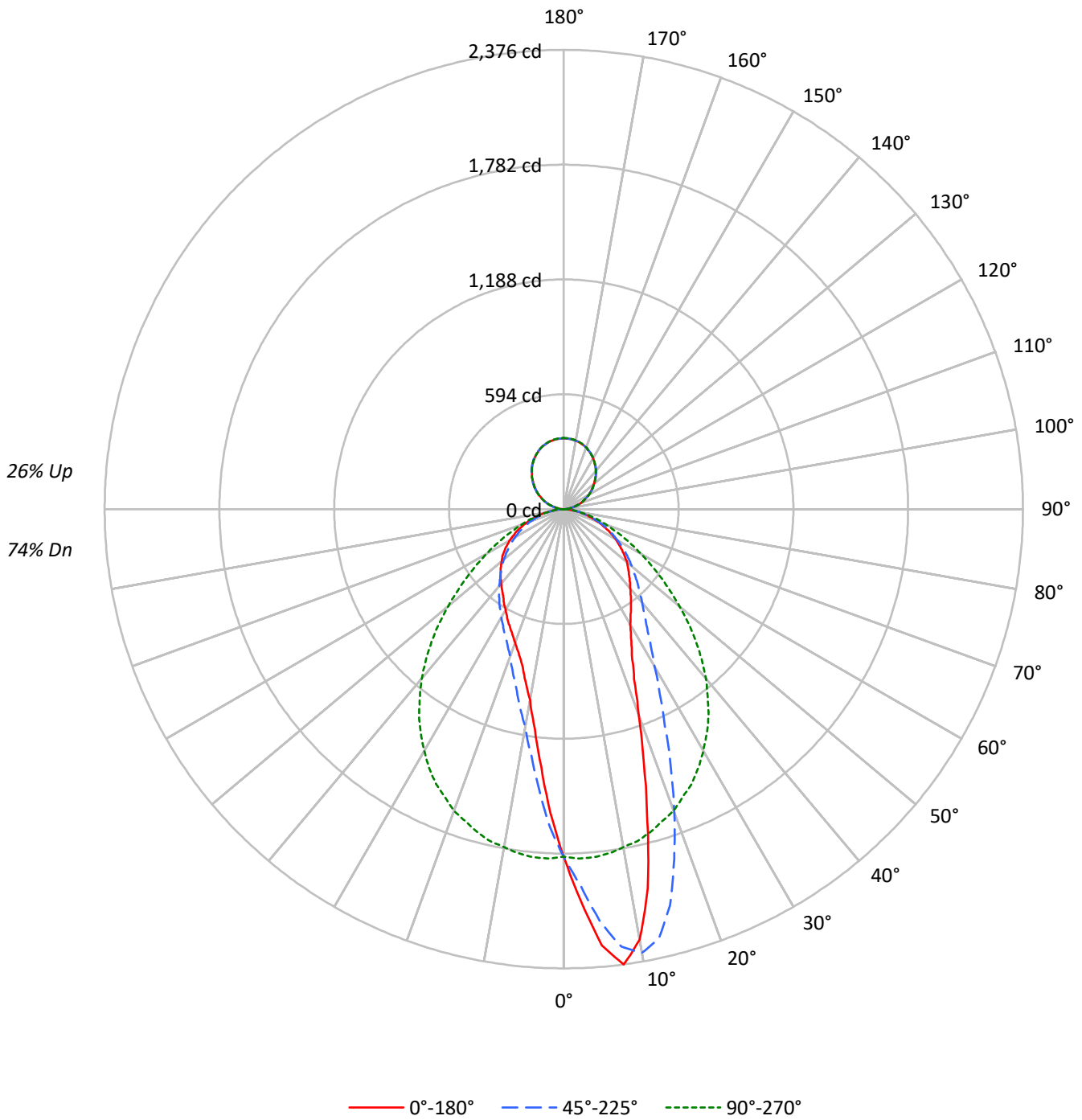
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3908.7 lumens
Efficiency: N/A
Efficacy: 108.9 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: Semi-Direct

Input Watts (W): 35.9
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: P831655
CATALOG NUMBER: S123DIP-S775D365U930-4F0-1E-UDD-G1

Luminous Intensity Polar Plot





TEST NUMBER: P831655

CATALOG NUMBER: S123DIP-S775D365U930-4F0-1E-UDD-G1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|--|--|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | |
| 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 | 97 | 97 | 97 | 87 | 87 | 87 | 78 | 78 | 78 | 74 | | |
| 1 | 104 | 100 | 96 | 93 | 99 | 95 | 92 | 89 | 86 | 83 | 81 | 78 | 76 | 74 | 70 | 69 | 68 | 64 | | |
| 2 | 95 | 88 | 82 | 77 | 90 | 84 | 79 | 74 | 76 | 72 | 69 | 69 | 66 | 63 | 63 | 60 | 58 | 55 | | |
| 3 | 88 | 78 | 71 | 65 | 83 | 75 | 68 | 63 | 68 | 63 | 59 | 62 | 58 | 55 | 57 | 53 | 51 | 48 | | |
| 4 | 81 | 70 | 62 | 56 | 77 | 67 | 60 | 55 | 61 | 56 | 51 | 56 | 52 | 48 | 51 | 48 | 45 | 42 | | |
| 5 | 75 | 63 | 55 | 49 | 71 | 61 | 53 | 48 | 56 | 50 | 45 | 51 | 46 | 42 | 47 | 43 | 40 | 37 | | |
| 6 | 69 | 57 | 49 | 44 | 66 | 55 | 48 | 42 | 51 | 45 | 40 | 47 | 42 | 38 | 43 | 39 | 35 | 33 | | |
| 7 | 65 | 52 | 45 | 39 | 61 | 50 | 43 | 38 | 47 | 40 | 36 | 43 | 38 | 34 | 40 | 35 | 32 | 30 | | |
| 8 | 60 | 48 | 40 | 35 | 57 | 46 | 39 | 34 | 43 | 37 | 33 | 40 | 35 | 31 | 37 | 32 | 29 | 27 | | |
| 9 | 57 | 44 | 37 | 32 | 54 | 43 | 36 | 31 | 40 | 34 | 30 | 37 | 32 | 28 | 34 | 30 | 27 | 25 | | |
| 10 | 53 | 41 | 34 | 29 | 51 | 40 | 33 | 29 | 37 | 31 | 27 | 35 | 30 | 26 | 32 | 28 | 25 | 23 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 19362 | 19362 | 19362 | 19362 | 19362 |
| 5° | 24487 | 23112 | 19535 | 15743 | 14467 |
| 10° | 24725 | 25473 | 19406 | 12550 | 10966 |
| 15° | 18622 | 23650 | 19274 | 10628 | 9274 |
| 20° | 12975 | 19137 | 19027 | 9294 | 8424 |
| 25° | 9894 | 14718 | 18608 | 8551 | 7902 |
| 30° | 8559 | 11692 | 17938 | 8025 | 7480 |
| 35° | 7941 | 9872 | 17165 | 7645 | 7184 |
| 40° | 7519 | 8855 | 16080 | 7284 | 7085 |
| 45° | 7269 | 8196 | 14702 | 7001 | 7039 |
| 50° | 7142 | 7675 | 13070 | 6745 | 7003 |
| 55° | 6876 | 7293 | 11466 | 6501 | 7034 |
| 60° | 6631 | 6882 | 9883 | 6271 | 6919 |
| 65° | 6230 | 6495 | 8525 | 6026 | 6783 |
| 70° | 5753 | 6002 | 7251 | 5621 | 6382 |
| 75° | 5207 | 5382 | 6213 | 5224 | 5831 |
| 80° | 4296 | 4711 | 4916 | 4556 | 4916 |
| 85° | 3396 | 3816 | 3606 | 3866 | 3915 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 80°
 Vertical Angle: 45°
 Luminance: 16786 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 170.1 | 4.4 |
| 10°-20° | 423.1 | 10.8 |
| 20°-30° | 500.9 | 12.8 |
| 30°-40° | 503.7 | 12.9 |
| 40°-50° | 462.1 | 11.8 |
| 50°-60° | 381.4 | 9.8 |
| 60°-70° | 269.8 | 6.9 |
| 70°-80° | 144.0 | 3.7 |
| 80°-90° | 37.3 | 1.0 |
| 90°-100° | 23.6 | 0.6 |
| 100°-110° | 71.5 | 1.8 |
| 110°-120° | 121.7 | 3.1 |
| 120°-130° | 160.0 | 4.1 |
| 130°-140° | 179.9 | 4.6 |
| 140°-150° | 176.9 | 4.5 |
| 150°-160° | 148.9 | 3.8 |
| 160°-170° | 99.1 | 2.5 |
| 170°-180° | 34.7 | 0.9 |
| 0°-30° | 1094.1 | 28.0 |
| 0°-40° | 1597.8 | 40.9 |
| 0°-60° | 2441.3 | 62.5 |
| 0°-90° | 2892.5 | 74.0 |
| 90°-120° | 216.7 | 5.5 |
| 90°-150° | 733.5 | 18.8 |
| 90°-180° | 1016.0 | 26.0 |
| 0°-180° | 3908.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1799 | 1799 | 1799 | 1799 | 1799 | |
| 5° | 2266 | 2139 | 1808 | 1457 | 1339 | 216 |
| 15° | 1671 | 2122 | 1730 | 954 | 832 | 462 |
| 25° | 833 | 1239 | 1567 | 720 | 665 | 393 |
| 35° | 604 | 751 | 1306 | 582 | 547 | 380 |
| 45° | 478 | 538 | 966 | 460 | 462 | 370 |
| 55° | 366 | 389 | 611 | 346 | 375 | 328 |
| 65° | 245 | 255 | 335 | 237 | 266 | 243 |
| 75° | 125 | 129 | 149 | 126 | 140 | 132 |
| 85° | 28 | 31 | 29 | 31 | 32 | 31 |
| 90° | 9 | 7 | 0 | 7 | 9 | 6 |
| 95° | 22 | 21 | 17 | 21 | 22 | 23 |
| 105° | 69 | 68 | 65 | 68 | 69 | 73 |
| 115° | 123 | 123 | 122 | 123 | 123 | 122 |
| 125° | 177 | 180 | 179 | 180 | 177 | 158 |
| 135° | 232 | 234 | 232 | 234 | 232 | 179 |
| 145° | 282 | 284 | 282 | 284 | 282 | 176 |
| 155° | 322 | 323 | 323 | 323 | 322 | 149 |
| 165° | 351 | 351 | 352 | 351 | 351 | 99 |
| 175° | 364 | 365 | 366 | 365 | 364 | 35 |
| 180° | 367 | 367 | 367 | 367 | 367 | |



TEST NUMBER: P831655

CATALOG NUMBER: S123DIP-S775D365U930-4F0-1E-UDD-G1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 |
| 2.5° | 2027.6 | 2025.5 | 2023.4 | 2012.9 | 2002.5 | 1997.5 | 1992.5 | 1977.5 | 1962.4 | 1945.7 | 1929.1 |
| 5° | 2266.3 | 2272.1 | 2278.0 | 2271.3 | 2264.6 | 2244.2 | 2223.7 | 2196.6 | 2169.5 | 2139.0 | 2108.5 |
| 7.5° | 2376.5 | 2379.8 | 2383.1 | 2379.0 | 2374.8 | 2369.4 | 2363.9 | 2339.7 | 2315.5 | 2284.2 | 2252.9 |
| 10° | 2262.1 | 2269.6 | 2277.1 | 2293.4 | 2309.7 | 2328.1 | 2346.4 | 2343.1 | 2339.7 | 2330.6 | 2321.4 |
| 12.5° | 2010.9 | 2020.0 | 2029.2 | 2061.8 | 2094.3 | 2136.1 | 2177.8 | 2213.7 | 2249.6 | 2274.6 | 2299.7 |
| 15° | 1671.1 | 1696.6 | 1722.0 | 1751.7 | 1781.3 | 1842.7 | 1904.0 | 1979.6 | 2055.1 | 2122.3 | 2189.5 |
| 17.5° | 1376.5 | 1386.1 | 1395.7 | 1427.4 | 1459.1 | 1536.3 | 1613.5 | 1700.8 | 1788.0 | 1899.4 | 2010.9 |
| 20° | 1132.7 | 1141.5 | 1150.3 | 1192.0 | 1233.7 | 1294.2 | 1354.8 | 1452.8 | 1550.9 | 1670.7 | 1790.5 |
| 22.5° | 951.6 | 965.4 | 979.1 | 1002.5 | 1025.9 | 1083.9 | 1141.9 | 1229.1 | 1316.4 | 1448.7 | 1581.0 |
| 25° | 833.1 | 843.1 | 853.1 | 867.3 | 881.5 | 927.8 | 974.1 | 1045.9 | 1117.7 | 1239.2 | 1360.6 |
| 27.5° | 752.1 | 756.3 | 760.4 | 774.6 | 788.8 | 818.9 | 848.9 | 910.7 | 972.5 | 1075.5 | 1178.6 |
| 30° | 688.6 | 691.6 | 694.5 | 707.0 | 719.5 | 740.0 | 760.4 | 805.1 | 849.8 | 940.7 | 1031.7 |
| 32.5° | 644.4 | 646.5 | 648.6 | 658.2 | 667.8 | 682.4 | 697.0 | 729.6 | 762.1 | 837.2 | 912.4 |
| 35° | 604.3 | 605.6 | 606.8 | 613.9 | 621.0 | 631.9 | 642.7 | 667.4 | 692.0 | 751.3 | 810.5 |
| 37.5° | 569.3 | 571.0 | 572.6 | 576.8 | 581.0 | 590.6 | 600.2 | 619.8 | 639.4 | 684.9 | 730.4 |
| 40° | 535.1 | 538.0 | 540.9 | 543.8 | 546.7 | 554.7 | 562.6 | 577.6 | 592.7 | 630.2 | 667.8 |
| 42.5° | 505.8 | 508.8 | 511.7 | 512.9 | 514.2 | 518.8 | 523.4 | 537.1 | 550.9 | 578.9 | 606.8 |
| 45° | 477.5 | 478.7 | 480.0 | 481.2 | 482.5 | 486.2 | 490.0 | 502.1 | 514.2 | 538.4 | 562.6 |
| 47.5° | 451.6 | 451.6 | 451.6 | 452.4 | 453.3 | 456.6 | 459.9 | 468.7 | 477.5 | 496.2 | 515.0 |
| 50° | 426.5 | 426.5 | 426.5 | 425.3 | 424.0 | 426.1 | 428.2 | 434.9 | 441.6 | 458.3 | 475.0 |
| 52.5° | 396.5 | 396.5 | 396.5 | 396.9 | 397.3 | 397.3 | 397.3 | 403.2 | 409.0 | 424.0 | 439.1 |
| 55° | 366.4 | 368.1 | 369.8 | 368.5 | 367.3 | 368.1 | 368.9 | 372.7 | 376.5 | 388.6 | 400.7 |
| 57.5° | 336.4 | 337.2 | 338.1 | 337.6 | 337.2 | 337.6 | 338.1 | 341.4 | 344.7 | 353.9 | 363.1 |
| 60° | 308.0 | 308.0 | 308.0 | 307.2 | 306.3 | 307.2 | 308.0 | 309.7 | 311.4 | 319.7 | 328.0 |
| 62.5° | 276.3 | 276.7 | 277.1 | 277.5 | 278.0 | 277.1 | 276.3 | 278.4 | 280.5 | 286.7 | 293.0 |
| 65° | 244.6 | 245.0 | 245.4 | 246.7 | 247.9 | 247.1 | 246.2 | 248.3 | 250.4 | 255.0 | 259.6 |
| 67.5° | 216.2 | 215.4 | 214.5 | 214.9 | 215.4 | 216.6 | 217.9 | 218.3 | 218.7 | 223.7 | 228.7 |
| 70° | 182.8 | 183.6 | 184.5 | 184.1 | 183.6 | 184.1 | 184.5 | 185.7 | 187.0 | 190.7 | 194.5 |
| 72.5° | 152.8 | 153.2 | 153.6 | 153.6 | 153.6 | 154.4 | 155.3 | 156.5 | 157.8 | 159.9 | 161.9 |
| 75° | 125.2 | 125.2 | 125.2 | 126.0 | 126.9 | 127.3 | 127.7 | 127.7 | 127.7 | 129.4 | 131.1 |
| 77.5° | 95.2 | 97.2 | 99.3 | 98.9 | 98.5 | 99.3 | 100.2 | 101.4 | 102.7 | 103.5 | 104.3 |
| 80° | 69.3 | 69.3 | 69.3 | 69.7 | 70.1 | 71.4 | 72.6 | 73.5 | 74.3 | 76.0 | 77.6 |
| 82.5° | 44.2 | 44.7 | 45.1 | 46.3 | 47.6 | 48.4 | 49.2 | 50.5 | 51.8 | 51.8 | 51.8 |
| 85° | 27.5 | 26.7 | 25.9 | 26.7 | 27.5 | 28.4 | 29.2 | 29.6 | 30.1 | 30.9 | 31.7 |
| 87.5° | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.8 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 |
| 90° | 8.6 | 8.5 | 8.4 | 8.3 | 8.1 | 7.9 | 7.7 | 7.4 | 7.2 | 6.9 | 6.1 |
| 92.5° | 12.4 | 12.5 | 12.6 | 12.8 | 12.9 | 12.9 | 12.7 | 12.5 | 12.3 | 12.1 | 11.7 |
| 95° | 22.5 | 22.5 | 22.5 | 22.5 | 22.5 | 22.3 | 22.1 | 21.8 | 21.6 | 21.3 | 20.8 |
| 97.5° | 32.3 | 32.3 | 32.4 | 32.5 | 32.5 | 32.4 | 32.1 | 31.8 | 31.4 | 31.1 | 30.7 |
| 100° | 43.8 | 43.7 | 43.5 | 43.4 | 43.3 | 43.1 | 42.9 | 42.7 | 42.5 | 42.4 | 42.0 |
| 102.5° | 55.6 | 55.7 | 55.7 | 55.8 | 55.9 | 55.8 | 55.6 | 55.4 | 55.2 | 55.0 | 54.6 |
| 105° | 68.6 | 68.4 | 68.3 | 68.2 | 68.1 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 67.4 |
| 107.5° | 81.8 | 81.9 | 82.0 | 82.0 | 82.1 | 82.0 | 81.8 | 81.6 | 81.4 | 81.2 | 81.0 |
| 110° | 95.4 | 95.5 | 95.6 | 95.8 | 95.9 | 95.8 | 95.6 | 95.3 | 95.0 | 94.8 | 94.7 |



TEST NUMBER: P831655

CATALOG NUMBER: S123DIP-S775D365U930-4F0-1E-UDD-G1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 109.8 | 109.8 | 109.8 | 109.8 | 109.8 | 109.6 | 109.3 | 109.0 | 108.7 | 108.3 | 108.3 |
| 115° | 122.7 | 122.8 | 122.9 | 122.9 | 123.0 | 123.0 | 122.9 | 122.9 | 122.8 | 122.7 | 122.9 |
| 117.5° | 136.0 | 136.2 | 136.4 | 136.6 | 136.8 | 136.9 | 136.9 | 136.9 | 136.9 | 136.9 | 137.0 |
| 120° | 150.1 | 150.2 | 150.4 | 150.5 | 150.6 | 150.7 | 150.8 | 150.8 | 150.9 | 151.0 | 151.3 |
| 122.5° | 163.7 | 163.8 | 164.0 | 164.2 | 164.4 | 164.6 | 164.8 | 165.0 | 165.2 | 165.4 | 165.5 |
| 125° | 177.2 | 177.4 | 177.7 | 178.0 | 178.2 | 178.5 | 178.7 | 179.0 | 179.2 | 179.5 | 179.6 |
| 127.5° | 190.7 | 191.0 | 191.2 | 191.5 | 191.8 | 192.1 | 192.5 | 192.8 | 193.2 | 193.6 | 193.7 |
| 130° | 204.0 | 204.4 | 204.9 | 205.3 | 205.8 | 206.1 | 206.4 | 206.6 | 206.9 | 207.2 | 207.3 |
| 132.5° | 217.8 | 218.1 | 218.5 | 218.8 | 219.1 | 219.4 | 219.7 | 220.1 | 220.4 | 220.7 | 220.8 |
| 135° | 232.2 | 232.4 | 232.5 | 232.6 | 232.7 | 232.9 | 233.2 | 233.4 | 233.7 | 234.0 | 234.0 |
| 137.5° | 244.9 | 245.1 | 245.3 | 245.5 | 245.7 | 245.9 | 246.2 | 246.6 | 246.9 | 247.2 | 247.0 |
| 140° | 257.3 | 257.7 | 258.2 | 258.6 | 259.1 | 259.3 | 259.4 | 259.5 | 259.5 | 259.6 | 259.5 |
| 142.5° | 270.0 | 270.3 | 270.6 | 270.9 | 271.2 | 271.4 | 271.5 | 271.6 | 271.6 | 271.7 | 271.6 |
| 145° | 282.1 | 282.3 | 282.6 | 282.8 | 283.1 | 283.3 | 283.3 | 283.4 | 283.4 | 283.5 | 283.3 |
| 147.5° | 293.0 | 293.4 | 293.8 | 294.2 | 294.6 | 294.7 | 294.7 | 294.7 | 294.7 | 294.7 | 294.6 |
| 150° | 303.4 | 303.8 | 304.2 | 304.5 | 304.9 | 305.1 | 305.1 | 305.1 | 305.1 | 305.1 | 305.0 |
| 152.5° | 313.5 | 313.8 | 314.1 | 314.4 | 314.8 | 314.9 | 314.7 | 314.6 | 314.5 | 314.3 | 314.3 |
| 155° | 322.4 | 322.9 | 323.3 | 323.7 | 324.2 | 324.3 | 324.0 | 323.8 | 323.5 | 323.3 | 323.2 |
| 157.5° | 330.8 | 331.1 | 331.5 | 331.9 | 332.3 | 332.4 | 332.1 | 331.8 | 331.6 | 331.3 | 331.3 |
| 160° | 338.8 | 339.1 | 339.3 | 339.6 | 339.9 | 339.8 | 339.5 | 339.2 | 338.9 | 338.5 | 338.5 |
| 162.5° | 344.9 | 345.3 | 345.8 | 346.2 | 346.7 | 346.7 | 346.4 | 346.1 | 345.8 | 345.5 | 345.4 |
| 165° | 350.6 | 351.1 | 351.5 | 352.0 | 352.4 | 352.5 | 352.1 | 351.7 | 351.3 | 350.9 | 350.9 |
| 167.5° | 355.8 | 356.2 | 356.6 | 357.0 | 357.4 | 357.4 | 357.0 | 356.6 | 356.2 | 355.8 | 355.8 |
| 170° | 359.6 | 360.0 | 360.5 | 360.9 | 361.4 | 361.4 | 360.9 | 360.5 | 360.0 | 359.6 | 359.6 |
| 172.5° | 362.5 | 362.9 | 363.4 | 363.8 | 364.2 | 364.3 | 363.9 | 363.5 | 363.1 | 362.7 | 362.7 |
| 175° | 364.5 | 364.9 | 365.4 | 365.8 | 366.3 | 366.3 | 365.9 | 365.5 | 365.1 | 364.8 | 364.8 |
| 177.5° | 365.6 | 366.1 | 366.5 | 367.0 | 367.4 | 367.4 | 367.1 | 366.7 | 366.3 | 365.9 | 365.9 |
| 180° | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 |



TEST NUMBER: P831655

CATALOG NUMBER: S123DIP-S775D365U930-4F0-1E-UDD-G1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 |
| 2.5° | 1924.0 | 1919.0 | 1900.7 | 1882.3 | 1861.4 | 1840.6 | 1825.1 | 1809.7 | 1786.7 | 1763.8 | 1745.0 |
| 5° | 2085.1 | 2061.8 | 2023.0 | 1984.1 | 1931.6 | 1879.0 | 1843.5 | 1808.0 | 1760.4 | 1712.9 | 1674.9 |
| 7.5° | 2212.9 | 2172.8 | 2118.5 | 2064.3 | 1995.4 | 1926.5 | 1861.4 | 1796.3 | 1723.7 | 1651.1 | 1591.8 |
| 10° | 2294.2 | 2267.1 | 2204.5 | 2141.9 | 2049.7 | 1957.4 | 1866.4 | 1775.5 | 1682.0 | 1588.5 | 1510.0 |
| 12.5° | 2302.2 | 2304.7 | 2247.1 | 2189.5 | 2085.1 | 1980.8 | 1870.2 | 1759.6 | 1641.9 | 1524.2 | 1432.8 |
| 15° | 2232.5 | 2275.5 | 2243.7 | 2212.0 | 2106.8 | 2001.7 | 1865.6 | 1729.6 | 1593.9 | 1458.3 | 1352.7 |
| 17.5° | 2103.1 | 2195.3 | 2199.9 | 2204.5 | 2099.3 | 1994.2 | 1843.5 | 1692.8 | 1539.2 | 1385.6 | 1274.6 |
| 20° | 1926.5 | 2062.6 | 2109.4 | 2156.1 | 2070.5 | 1985.0 | 1823.0 | 1661.1 | 1489.2 | 1317.2 | 1200.8 |
| 22.5° | 1746.2 | 1911.5 | 1997.1 | 2082.6 | 2019.2 | 1955.8 | 1783.4 | 1611.0 | 1429.5 | 1247.9 | 1129.8 |
| 25° | 1540.9 | 1721.2 | 1852.7 | 1984.1 | 1945.3 | 1906.5 | 1736.6 | 1566.8 | 1373.5 | 1180.3 | 1059.7 |
| 27.5° | 1361.9 | 1545.1 | 1703.7 | 1862.3 | 1853.9 | 1845.6 | 1677.0 | 1508.4 | 1310.5 | 1112.7 | 996.2 |
| 30° | 1202.4 | 1373.1 | 1550.5 | 1727.9 | 1748.3 | 1768.8 | 1606.0 | 1443.2 | 1245.0 | 1046.7 | 934.5 |
| 32.5° | 1061.4 | 1210.4 | 1400.7 | 1591.0 | 1631.1 | 1671.1 | 1524.2 | 1377.3 | 1181.1 | 985.0 | 876.9 |
| 35° | 945.7 | 1081.0 | 1271.3 | 1461.6 | 1511.7 | 1561.8 | 1434.1 | 1306.3 | 1115.2 | 924.0 | 821.0 |
| 37.5° | 843.5 | 956.6 | 1142.3 | 1328.1 | 1389.4 | 1450.8 | 1336.4 | 1222.0 | 1043.0 | 863.9 | 769.2 |
| 40° | 758.8 | 849.8 | 1020.5 | 1191.2 | 1262.1 | 1333.1 | 1238.7 | 1144.4 | 974.5 | 804.7 | 717.4 |
| 42.5° | 687.8 | 768.8 | 923.6 | 1078.5 | 1146.5 | 1214.5 | 1134.8 | 1055.1 | 904.0 | 752.9 | 673.2 |
| 45° | 627.3 | 692.0 | 832.6 | 973.3 | 1038.0 | 1102.7 | 1034.2 | 965.8 | 832.6 | 699.5 | 625.2 |
| 47.5° | 570.5 | 626.0 | 746.2 | 866.4 | 924.0 | 981.6 | 928.2 | 874.8 | 762.1 | 649.4 | 582.2 |
| 50° | 519.6 | 564.3 | 669.5 | 774.6 | 824.7 | 874.8 | 827.6 | 780.5 | 687.8 | 595.2 | 536.7 |
| 52.5° | 475.4 | 511.7 | 599.8 | 687.8 | 730.8 | 773.8 | 733.3 | 692.8 | 619.4 | 545.9 | 495.0 |
| 55° | 431.6 | 462.4 | 538.8 | 615.2 | 644.4 | 673.6 | 642.3 | 611.0 | 551.8 | 492.5 | 449.5 |
| 57.5° | 390.7 | 418.2 | 480.8 | 543.4 | 565.9 | 588.5 | 560.1 | 531.7 | 487.1 | 442.4 | 406.5 |
| 60° | 350.6 | 373.1 | 425.3 | 477.5 | 491.2 | 505.0 | 482.1 | 459.1 | 427.8 | 396.5 | 364.4 |
| 62.5° | 313.4 | 333.9 | 372.7 | 411.5 | 420.7 | 429.9 | 412.4 | 394.8 | 371.0 | 347.2 | 322.2 |
| 65° | 275.0 | 290.5 | 322.2 | 353.9 | 359.8 | 365.6 | 350.2 | 334.7 | 316.8 | 298.8 | 280.5 |
| 67.5° | 239.6 | 250.4 | 276.3 | 302.2 | 302.6 | 303.0 | 290.5 | 278.0 | 267.9 | 257.9 | 243.3 |
| 70° | 204.9 | 215.4 | 232.5 | 249.6 | 250.0 | 250.4 | 240.4 | 230.4 | 222.9 | 215.4 | 204.5 |
| 72.5° | 169.4 | 177.0 | 189.9 | 202.8 | 202.0 | 201.2 | 194.9 | 188.6 | 182.8 | 177.0 | 169.0 |
| 75° | 137.3 | 143.6 | 152.3 | 161.1 | 158.6 | 156.1 | 152.8 | 149.4 | 144.4 | 139.4 | 134.4 |
| 77.5° | 108.1 | 111.9 | 116.9 | 121.9 | 120.2 | 118.5 | 115.6 | 112.7 | 108.9 | 105.2 | 103.1 |
| 80° | 79.3 | 81.0 | 84.3 | 87.6 | 86.8 | 86.0 | 82.6 | 79.3 | 78.5 | 77.6 | 74.7 |
| 82.5° | 53.8 | 55.9 | 56.8 | 57.6 | 57.2 | 56.8 | 54.3 | 51.8 | 50.9 | 50.1 | 49.7 |
| 85° | 32.1 | 32.6 | 33.0 | 33.4 | 32.1 | 30.9 | 30.1 | 29.2 | 29.2 | 29.2 | 28.8 |
| 87.5° | 14.6 | 15.0 | 15.0 | 15.0 | 14.6 | 14.2 | 13.4 | 12.5 | 12.9 | 13.4 | 13.4 |
| 90° | 5.3 | 4.4 | 3.6 | 2.8 | 2.2 | 1.6 | 0.9 | 0.3 | 0.9 | 1.6 | 2.2 |
| 92.5° | 11.3 | 10.9 | 10.6 | 10.2 | 9.8 | 9.4 | 9.0 | 8.6 | 9.0 | 9.4 | 9.8 |
| 95° | 20.3 | 19.8 | 19.3 | 18.8 | 18.3 | 17.9 | 17.4 | 17.0 | 17.4 | 17.9 | 18.3 |
| 97.5° | 30.3 | 30.0 | 29.6 | 29.2 | 28.9 | 28.6 | 28.3 | 27.9 | 28.3 | 28.6 | 28.9 |
| 100° | 41.7 | 41.4 | 41.1 | 40.7 | 40.3 | 40.0 | 39.6 | 39.2 | 39.6 | 40.0 | 40.3 |
| 102.5° | 54.1 | 53.7 | 53.2 | 52.9 | 52.7 | 52.5 | 52.3 | 52.1 | 52.3 | 52.5 | 52.7 |
| 105° | 66.8 | 66.3 | 65.7 | 65.3 | 65.2 | 65.1 | 65.0 | 64.8 | 65.0 | 65.1 | 65.2 |
| 107.5° | 80.7 | 80.5 | 80.2 | 80.1 | 80.0 | 79.9 | 79.9 | 79.8 | 79.9 | 79.9 | 80.0 |
| 110° | 94.5 | 94.4 | 94.3 | 94.2 | 94.0 | 93.9 | 93.8 | 93.6 | 93.8 | 93.9 | 94.0 |



TEST NUMBER: P831655

CATALOG NUMBER: S123DIP-S775D365U930-4F0-1E-UDD-G1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 108.3 | 108.3 | 108.3 | 108.3 | 108.2 | 108.2 | 108.1 | 108.0 | 108.1 | 108.2 | 108.2 |
| 115° | 123.0 | 123.1 | 123.3 | 123.2 | 123.0 | 122.8 | 122.6 | 122.5 | 122.6 | 122.8 | 123.0 |
| 117.5° | 137.1 | 137.2 | 137.4 | 137.4 | 137.3 | 137.3 | 137.2 | 137.1 | 137.2 | 137.3 | 137.3 |
| 120° | 151.6 | 151.9 | 152.3 | 152.2 | 151.8 | 151.5 | 151.1 | 150.7 | 151.1 | 151.5 | 151.8 |
| 122.5° | 165.6 | 165.8 | 165.9 | 165.8 | 165.6 | 165.3 | 165.1 | 164.8 | 165.1 | 165.3 | 165.6 |
| 125° | 179.8 | 179.9 | 180.0 | 180.0 | 179.8 | 179.6 | 179.4 | 179.2 | 179.4 | 179.6 | 179.8 |
| 127.5° | 193.9 | 194.0 | 194.1 | 194.0 | 193.6 | 193.2 | 192.8 | 192.5 | 192.8 | 193.2 | 193.6 |
| 130° | 207.5 | 207.7 | 207.9 | 207.8 | 207.3 | 206.7 | 206.2 | 205.7 | 206.2 | 206.7 | 207.3 |
| 132.5° | 221.0 | 221.1 | 221.2 | 221.0 | 220.5 | 220.0 | 219.5 | 219.0 | 219.5 | 220.0 | 220.5 |
| 135° | 234.1 | 234.1 | 234.2 | 234.0 | 233.7 | 233.3 | 232.9 | 232.5 | 232.9 | 233.3 | 233.7 |
| 137.5° | 246.8 | 246.6 | 246.4 | 246.2 | 245.9 | 245.5 | 245.2 | 244.9 | 245.2 | 245.5 | 245.9 |
| 140° | 259.5 | 259.4 | 259.3 | 259.1 | 258.8 | 258.5 | 258.2 | 257.9 | 258.2 | 258.5 | 258.8 |
| 142.5° | 271.4 | 271.3 | 271.2 | 271.0 | 270.6 | 270.3 | 270.0 | 269.7 | 270.0 | 270.3 | 270.6 |
| 145° | 283.1 | 282.9 | 282.7 | 282.6 | 282.5 | 282.3 | 282.2 | 282.1 | 282.2 | 282.3 | 282.5 |
| 147.5° | 294.4 | 294.2 | 294.0 | 293.8 | 293.5 | 293.2 | 293.0 | 292.7 | 293.0 | 293.2 | 293.5 |
| 150° | 304.9 | 304.7 | 304.6 | 304.5 | 304.3 | 304.2 | 304.1 | 304.0 | 304.1 | 304.2 | 304.3 |
| 152.5° | 314.2 | 314.1 | 314.1 | 314.0 | 313.8 | 313.6 | 313.4 | 313.2 | 313.4 | 313.6 | 313.8 |
| 155° | 323.1 | 323.1 | 323.0 | 323.0 | 323.0 | 323.0 | 323.0 | 323.0 | 323.0 | 323.0 | 323.0 |
| 157.5° | 331.2 | 331.1 | 331.1 | 331.1 | 331.1 | 331.2 | 331.3 | 331.3 | 331.3 | 331.2 | 331.1 |
| 160° | 338.5 | 338.5 | 338.5 | 338.6 | 338.7 | 338.9 | 339.0 | 339.1 | 339.0 | 338.9 | 338.7 |
| 162.5° | 345.3 | 345.3 | 345.2 | 345.3 | 345.5 | 345.6 | 345.8 | 346.0 | 345.8 | 345.6 | 345.5 |
| 165° | 350.9 | 350.9 | 350.9 | 351.0 | 351.2 | 351.4 | 351.6 | 351.8 | 351.6 | 351.4 | 351.2 |
| 167.5° | 355.7 | 355.6 | 355.6 | 355.7 | 355.9 | 356.2 | 356.4 | 356.7 | 356.4 | 356.2 | 355.9 |
| 170° | 359.6 | 359.6 | 359.6 | 359.7 | 360.0 | 360.2 | 360.5 | 360.7 | 360.5 | 360.2 | 360.0 |
| 172.5° | 362.7 | 362.7 | 362.7 | 362.9 | 363.1 | 363.4 | 363.6 | 363.9 | 363.6 | 363.4 | 363.1 |
| 175° | 364.8 | 364.8 | 364.8 | 364.9 | 365.1 | 365.4 | 365.7 | 365.9 | 365.7 | 365.4 | 365.1 |
| 177.5° | 365.9 | 365.9 | 365.9 | 366.0 | 366.3 | 366.6 | 366.8 | 367.1 | 366.8 | 366.6 | 366.3 |
| 180° | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 |



TEST NUMBER: P831655

CATALOG NUMBER: S123DIP-S775D365U930-4F0-1E-UDD-G1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 | 1798.8 |
| 2.5° | 1726.2 | 1709.9 | 1693.7 | 1681.1 | 1668.6 | 1647.3 | 1626.0 | 1621.0 | 1616.0 | 1608.9 | 1601.8 |
| 5° | 1636.9 | 1596.8 | 1556.8 | 1520.9 | 1485.0 | 1457.0 | 1429.1 | 1410.7 | 1392.3 | 1379.0 | 1365.6 |
| 7.5° | 1532.6 | 1472.5 | 1412.4 | 1369.8 | 1327.2 | 1286.7 | 1246.2 | 1233.3 | 1220.4 | 1202.8 | 1185.3 |
| 10° | 1431.6 | 1365.2 | 1298.8 | 1243.3 | 1187.8 | 1148.2 | 1108.5 | 1092.7 | 1076.8 | 1054.7 | 1032.6 |
| 12.5° | 1341.4 | 1268.8 | 1196.2 | 1140.2 | 1084.3 | 1045.9 | 1007.5 | 984.6 | 961.6 | 949.1 | 936.6 |
| 15° | 1247.1 | 1169.5 | 1091.8 | 1040.1 | 988.3 | 953.7 | 919.0 | 899.0 | 879.0 | 866.9 | 854.8 |
| 17.5° | 1163.6 | 1086.8 | 1010.0 | 960.4 | 910.7 | 879.0 | 847.2 | 829.7 | 812.2 | 803.0 | 793.8 |
| 20° | 1084.3 | 1009.2 | 934.1 | 885.6 | 837.2 | 811.4 | 785.5 | 774.2 | 762.9 | 755.4 | 747.9 |
| 22.5° | 1011.7 | 937.8 | 863.9 | 822.6 | 781.3 | 760.4 | 739.6 | 731.6 | 723.7 | 717.4 | 711.2 |
| 25° | 939.1 | 873.1 | 807.2 | 772.1 | 737.1 | 720.0 | 702.8 | 694.9 | 687.0 | 680.7 | 674.5 |
| 27.5° | 879.8 | 816.8 | 753.8 | 723.7 | 693.7 | 680.3 | 666.9 | 660.7 | 654.4 | 648.6 | 642.7 |
| 30° | 822.2 | 765.9 | 709.5 | 683.6 | 657.8 | 645.7 | 633.6 | 627.3 | 621.0 | 615.6 | 610.2 |
| 32.5° | 768.8 | 720.4 | 672.0 | 648.2 | 624.4 | 614.4 | 604.3 | 596.8 | 589.3 | 585.1 | 581.0 |
| 35° | 717.9 | 674.5 | 631.1 | 611.4 | 591.8 | 581.8 | 571.8 | 565.5 | 559.3 | 555.9 | 552.6 |
| 37.5° | 674.5 | 635.6 | 596.8 | 578.0 | 559.3 | 549.7 | 540.1 | 534.6 | 529.2 | 528.0 | 526.7 |
| 40° | 630.2 | 596.8 | 563.4 | 545.1 | 526.7 | 518.4 | 510.0 | 506.7 | 503.3 | 502.5 | 501.7 |
| 42.5° | 593.5 | 560.9 | 528.4 | 511.7 | 495.0 | 487.9 | 480.8 | 479.1 | 477.5 | 478.7 | 480.0 |
| 45° | 550.9 | 523.8 | 496.7 | 481.2 | 465.8 | 459.9 | 454.1 | 452.8 | 451.6 | 454.1 | 456.6 |
| 47.5° | 515.0 | 490.0 | 464.9 | 450.3 | 435.7 | 431.6 | 427.4 | 427.0 | 426.5 | 429.9 | 433.2 |
| 50° | 478.3 | 454.1 | 429.9 | 418.2 | 406.5 | 402.8 | 399.0 | 400.3 | 401.5 | 406.9 | 412.4 |
| 52.5° | 444.1 | 421.5 | 399.0 | 388.1 | 377.3 | 374.8 | 372.3 | 375.2 | 378.1 | 384.0 | 389.8 |
| 55° | 406.5 | 386.1 | 365.6 | 357.3 | 348.9 | 346.4 | 343.9 | 349.8 | 355.6 | 361.0 | 366.4 |
| 57.5° | 370.6 | 352.7 | 334.7 | 327.2 | 319.7 | 319.3 | 318.9 | 324.3 | 329.7 | 335.6 | 341.4 |
| 60° | 332.2 | 317.2 | 302.2 | 296.3 | 290.5 | 291.3 | 292.2 | 298.4 | 304.7 | 309.3 | 313.9 |
| 62.5° | 297.2 | 284.6 | 272.1 | 266.7 | 261.3 | 263.4 | 265.4 | 271.7 | 278.0 | 283.4 | 288.8 |
| 65° | 262.1 | 251.7 | 241.2 | 237.5 | 233.7 | 236.6 | 239.6 | 245.0 | 250.4 | 254.2 | 257.9 |
| 67.5° | 228.7 | 220.0 | 211.2 | 208.3 | 205.3 | 208.3 | 211.2 | 216.6 | 222.0 | 225.8 | 229.5 |
| 70° | 193.7 | 186.6 | 179.5 | 177.4 | 175.3 | 178.6 | 182.0 | 186.6 | 191.2 | 194.9 | 198.7 |
| 72.5° | 161.1 | 155.7 | 150.3 | 149.8 | 149.4 | 152.3 | 155.3 | 159.9 | 164.4 | 166.9 | 169.4 |
| 75° | 129.4 | 126.5 | 123.5 | 123.1 | 122.7 | 125.6 | 128.5 | 131.1 | 133.6 | 135.6 | 137.7 |
| 77.5° | 101.0 | 98.5 | 96.0 | 96.4 | 96.8 | 98.9 | 101.0 | 103.5 | 106.0 | 107.3 | 108.5 |
| 80° | 71.8 | 71.0 | 70.1 | 71.0 | 71.8 | 73.5 | 75.1 | 76.8 | 78.5 | 79.3 | 80.1 |
| 82.5° | 49.2 | 48.4 | 47.6 | 48.8 | 50.1 | 51.3 | 52.6 | 53.8 | 55.1 | 55.5 | 55.9 |
| 85° | 28.4 | 29.6 | 30.9 | 30.9 | 30.9 | 31.3 | 31.7 | 32.1 | 32.6 | 32.1 | 31.7 |
| 87.5° | 13.4 | 13.8 | 14.2 | 14.2 | 14.2 | 14.6 | 15.0 | 15.0 | 15.0 | 14.6 | 14.2 |
| 90° | 2.8 | 3.6 | 4.4 | 5.3 | 6.1 | 6.9 | 7.2 | 7.4 | 7.7 | 7.9 | 8.1 |
| 92.5° | 10.2 | 10.6 | 10.9 | 11.3 | 11.7 | 12.1 | 12.3 | 12.5 | 12.7 | 12.9 | 12.9 |
| 95° | 18.8 | 19.3 | 19.8 | 20.3 | 20.8 | 21.3 | 21.6 | 21.8 | 22.1 | 22.3 | 22.5 |
| 97.5° | 29.2 | 29.6 | 30.0 | 30.3 | 30.7 | 31.1 | 31.4 | 31.8 | 32.1 | 32.4 | 32.5 |
| 100° | 40.7 | 41.1 | 41.4 | 41.7 | 42.0 | 42.4 | 42.5 | 42.7 | 42.9 | 43.1 | 43.3 |
| 102.5° | 52.9 | 53.2 | 53.7 | 54.1 | 54.6 | 55.0 | 55.2 | 55.4 | 55.6 | 55.8 | 55.9 |
| 105° | 65.3 | 65.7 | 66.3 | 66.8 | 67.4 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.1 |
| 107.5° | 80.1 | 80.2 | 80.5 | 80.7 | 81.0 | 81.2 | 81.4 | 81.6 | 81.8 | 82.0 | 82.1 |
| 110° | 94.2 | 94.3 | 94.4 | 94.5 | 94.7 | 94.8 | 95.0 | 95.3 | 95.6 | 95.8 | 95.9 |



TEST NUMBER: P831655

CATALOG NUMBER: S123DIP-S775D365U930-4F0-1E-UDD-G1

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 108.3 | 108.3 | 108.3 | 108.3 | 108.3 | 108.3 | 108.7 | 109.0 | 109.3 | 109.6 | 109.8 |
| 115° | 123.2 | 123.3 | 123.1 | 123.0 | 122.9 | 122.7 | 122.8 | 122.9 | 122.9 | 123.0 | 123.0 |
| 117.5° | 137.4 | 137.4 | 137.2 | 137.1 | 137.0 | 136.9 | 136.9 | 136.9 | 136.9 | 136.9 | 136.8 |
| 120° | 152.2 | 152.3 | 151.9 | 151.6 | 151.3 | 151.0 | 150.9 | 150.8 | 150.8 | 150.7 | 150.6 |
| 122.5° | 165.8 | 165.9 | 165.8 | 165.6 | 165.5 | 165.4 | 165.2 | 165.0 | 164.8 | 164.6 | 164.4 |
| 125° | 180.0 | 180.0 | 179.9 | 179.8 | 179.6 | 179.5 | 179.2 | 179.0 | 178.7 | 178.5 | 178.2 |
| 127.5° | 194.0 | 194.1 | 194.0 | 193.9 | 193.7 | 193.6 | 193.2 | 192.8 | 192.5 | 192.1 | 191.8 |
| 130° | 207.8 | 207.9 | 207.7 | 207.5 | 207.3 | 207.2 | 206.9 | 206.6 | 206.4 | 206.1 | 205.8 |
| 132.5° | 221.0 | 221.2 | 221.1 | 221.0 | 220.8 | 220.7 | 220.4 | 220.1 | 219.7 | 219.4 | 219.1 |
| 135° | 234.0 | 234.2 | 234.1 | 234.1 | 234.0 | 234.0 | 233.7 | 233.4 | 233.2 | 232.9 | 232.7 |
| 137.5° | 246.2 | 246.4 | 246.6 | 246.8 | 247.0 | 247.2 | 246.9 | 246.6 | 246.2 | 245.9 | 245.7 |
| 140° | 259.1 | 259.3 | 259.4 | 259.5 | 259.5 | 259.6 | 259.5 | 259.5 | 259.4 | 259.3 | 259.1 |
| 142.5° | 271.0 | 271.2 | 271.3 | 271.4 | 271.6 | 271.7 | 271.6 | 271.6 | 271.5 | 271.4 | 271.2 |
| 145° | 282.6 | 282.7 | 282.9 | 283.1 | 283.3 | 283.5 | 283.4 | 283.4 | 283.3 | 283.3 | 283.1 |
| 147.5° | 293.8 | 294.0 | 294.2 | 294.4 | 294.6 | 294.7 | 294.7 | 294.7 | 294.7 | 294.7 | 294.6 |
| 150° | 304.5 | 304.6 | 304.7 | 304.9 | 305.0 | 305.1 | 305.1 | 305.1 | 305.1 | 305.1 | 304.9 |
| 152.5° | 314.0 | 314.1 | 314.1 | 314.2 | 314.3 | 314.3 | 314.5 | 314.6 | 314.7 | 314.9 | 314.8 |
| 155° | 323.0 | 323.0 | 323.1 | 323.1 | 323.2 | 323.3 | 323.5 | 323.8 | 324.0 | 324.3 | 324.2 |
| 157.5° | 331.1 | 331.1 | 331.1 | 331.2 | 331.3 | 331.3 | 331.6 | 331.8 | 332.1 | 332.4 | 332.3 |
| 160° | 338.6 | 338.5 | 338.5 | 338.5 | 338.5 | 338.5 | 338.9 | 339.2 | 339.5 | 339.8 | 339.9 |
| 162.5° | 345.3 | 345.2 | 345.3 | 345.3 | 345.4 | 345.5 | 345.8 | 346.1 | 346.4 | 346.7 | 346.7 |
| 165° | 351.0 | 350.9 | 350.9 | 350.9 | 350.9 | 350.9 | 351.3 | 351.7 | 352.1 | 352.5 | 352.4 |
| 167.5° | 355.7 | 355.6 | 355.6 | 355.7 | 355.8 | 355.8 | 356.2 | 356.6 | 357.0 | 357.4 | 357.4 |
| 170° | 359.7 | 359.6 | 359.6 | 359.6 | 359.6 | 359.6 | 360.0 | 360.5 | 360.9 | 361.4 | 361.4 |
| 172.5° | 362.9 | 362.7 | 362.7 | 362.7 | 362.7 | 362.7 | 363.1 | 363.5 | 363.9 | 364.3 | 364.2 |
| 175° | 364.9 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 365.1 | 365.5 | 365.9 | 366.3 | 366.3 |
| 177.5° | 366.0 | 365.9 | 365.9 | 365.9 | 365.9 | 365.9 | 366.3 | 366.7 | 367.1 | 367.4 | 367.4 |
| 180° | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 | 366.8 |



TEST NUMBER: P831655

CATALOG NUMBER: S123DIP-S775D365U930-4F0-1E-UDD-G1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|--------|--------|--------|--------|--------|
| 0° | 1798.8 | 1798.8 | 1798.8 | 1798.8 |
| 2.5° | 1598.9 | 1596.0 | 1584.3 | 1572.6 |
| 5° | 1355.6 | 1345.6 | 1342.2 | 1338.9 |
| 7.5° | 1184.5 | 1183.6 | 1166.1 | 1148.6 |
| 10° | 1033.8 | 1035.1 | 1019.2 | 1003.3 |
| 12.5° | 926.1 | 915.7 | 914.4 | 913.2 |
| 15° | 845.2 | 835.6 | 833.9 | 832.2 |
| 17.5° | 788.0 | 782.1 | 780.5 | 778.8 |
| 20° | 744.6 | 741.2 | 738.3 | 735.4 |
| 22.5° | 707.0 | 702.8 | 700.3 | 697.8 |
| 25° | 670.7 | 666.9 | 666.1 | 665.3 |
| 27.5° | 638.1 | 633.6 | 633.6 | 633.6 |
| 30° | 607.3 | 604.3 | 603.1 | 601.8 |
| 32.5° | 578.5 | 576.0 | 576.0 | 576.0 |
| 35° | 551.3 | 550.1 | 548.4 | 546.7 |
| 37.5° | 526.7 | 526.7 | 525.9 | 525.0 |
| 40° | 502.9 | 504.2 | 504.2 | 504.2 |
| 42.5° | 481.2 | 482.5 | 482.5 | 482.5 |
| 45° | 458.7 | 460.8 | 461.6 | 462.4 |
| 47.5° | 436.6 | 439.9 | 440.7 | 441.6 |
| 50° | 414.9 | 417.4 | 417.8 | 418.2 |
| 52.5° | 392.7 | 395.7 | 397.7 | 399.8 |
| 55° | 369.4 | 372.3 | 373.5 | 374.8 |
| 57.5° | 344.3 | 347.2 | 347.7 | 348.1 |
| 60° | 316.8 | 319.7 | 320.5 | 321.4 |
| 62.5° | 290.5 | 292.2 | 293.0 | 293.8 |
| 65° | 260.4 | 262.9 | 264.6 | 266.3 |
| 67.5° | 231.6 | 233.7 | 233.7 | 233.7 |
| 70° | 199.5 | 200.3 | 201.6 | 202.8 |
| 72.5° | 169.9 | 170.3 | 170.3 | 170.3 |
| 75° | 138.6 | 139.4 | 139.8 | 140.2 |
| 77.5° | 108.9 | 109.3 | 109.3 | 109.3 |
| 80° | 79.7 | 79.3 | 79.3 | 79.3 |
| 82.5° | 54.7 | 53.4 | 53.4 | 53.4 |
| 85° | 31.3 | 30.9 | 31.3 | 31.7 |
| 87.5° | 14.2 | 14.2 | 14.2 | 14.2 |
| 90° | 8.3 | 8.4 | 8.5 | 8.6 |
| 92.5° | 12.8 | 12.6 | 12.5 | 12.4 |
| 95° | 22.5 | 22.5 | 22.5 | 22.5 |
| 97.5° | 32.5 | 32.4 | 32.3 | 32.3 |
| 100° | 43.4 | 43.5 | 43.7 | 43.8 |
| 102.5° | 55.8 | 55.7 | 55.7 | 55.6 |
| 105° | 68.2 | 68.3 | 68.4 | 68.6 |
| 107.5° | 82.0 | 82.0 | 81.9 | 81.8 |
| 110° | 95.8 | 95.6 | 95.5 | 95.4 |



TEST NUMBER: P831655

CATALOG NUMBER: S123DIP-S775D365U930-4F0-1E-UDD-G1

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|--------|-------|-------|-------|-------|
| 112.5° | 109.8 | 109.8 | 109.8 | 109.8 |
| 115° | 122.9 | 122.9 | 122.8 | 122.7 |
| 117.5° | 136.6 | 136.4 | 136.2 | 136.0 |
| 120° | 150.5 | 150.4 | 150.2 | 150.1 |
| 122.5° | 164.2 | 164.0 | 163.8 | 163.7 |
| 125° | 178.0 | 177.7 | 177.4 | 177.2 |
| 127.5° | 191.5 | 191.2 | 191.0 | 190.7 |
| 130° | 205.3 | 204.9 | 204.4 | 204.0 |
| 132.5° | 218.8 | 218.5 | 218.1 | 217.8 |
| 135° | 232.6 | 232.5 | 232.4 | 232.2 |
| 137.5° | 245.5 | 245.3 | 245.1 | 244.9 |
| 140° | 258.6 | 258.2 | 257.7 | 257.3 |
| 142.5° | 270.9 | 270.6 | 270.3 | 270.0 |
| 145° | 282.8 | 282.6 | 282.3 | 282.1 |
| 147.5° | 294.2 | 293.8 | 293.4 | 293.0 |
| 150° | 304.5 | 304.2 | 303.8 | 303.4 |
| 152.5° | 314.4 | 314.1 | 313.8 | 313.5 |
| 155° | 323.7 | 323.3 | 322.9 | 322.4 |
| 157.5° | 331.9 | 331.5 | 331.1 | 330.8 |
| 160° | 339.6 | 339.3 | 339.1 | 338.8 |
| 162.5° | 346.2 | 345.8 | 345.3 | 344.9 |
| 165° | 352.0 | 351.5 | 351.1 | 350.6 |
| 167.5° | 357.0 | 356.6 | 356.2 | 355.8 |
| 170° | 360.9 | 360.5 | 360.0 | 359.6 |
| 172.5° | 363.8 | 363.4 | 362.9 | 362.5 |
| 175° | 365.8 | 365.4 | 364.9 | 364.5 |
| 177.5° | 367.0 | 366.5 | 366.1 | 365.6 |
| 180° | 366.8 | 366.8 | 366.8 | 366.8 |



TEST NUMBER: P831655

CATALOG NUMBER: S123DIP-S775D365U930-4F0-1E-UDD-G1

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 | 15.87 | 16.93 | 16.60 | 17.68 | 18.56 | 18.10 | 19.17 | 18.83 | 19.91 | 20.80 |
| | 3H | 17.53 | 18.49 | 18.27 | 19.24 | 20.15 | 19.54 | 20.50 | 20.29 | 21.25 | 22.17 |
| | 4H | 18.12 | 19.02 | 18.88 | 19.78 | 20.71 | 20.00 | 20.90 | 20.76 | 21.67 | 22.59 |
| | 6H | 18.50 | 19.33 | 19.27 | 20.10 | 21.04 | 20.29 | 21.12 | 21.06 | 21.89 | 22.83 |
| | 8H | 18.60 | 19.39 | 19.38 | 20.18 | 21.12 | 20.36 | 21.15 | 21.14 | 21.94 | 22.88 |
| | 12H | 18.65 | 19.40 | 19.44 | 20.19 | 21.16 | 20.38 | 21.14 | 21.17 | 21.92 | 22.89 |
| 4H | 2H | 16.47 | 17.37 | 17.23 | 18.13 | 19.06 | 18.29 | 19.19 | 19.06 | 19.95 | 20.88 |
| | 3H | 18.31 | 19.06 | 19.09 | 19.86 | 20.80 | 19.93 | 20.68 | 20.70 | 21.47 | 22.42 |
| | 4H | 19.02 | 19.70 | 19.81 | 20.50 | 21.47 | 20.52 | 21.20 | 21.31 | 22.00 | 22.97 |
| | 6H | 19.50 | 20.09 | 20.31 | 20.91 | 21.90 | 20.94 | 21.52 | 21.74 | 22.34 | 23.33 |
| | 8H | 19.65 | 20.19 | 20.46 | 21.01 | 22.00 | 21.05 | 21.60 | 21.86 | 22.42 | 23.41 |
| | 12H | 19.72 | 20.21 | 20.55 | 21.05 | 22.05 | 21.10 | 21.60 | 21.94 | 22.44 | 23.43 |
| 8H | 4H | 19.30 | 19.85 | 20.11 | 20.67 | 21.66 | 20.64 | 21.19 | 21.45 | 22.01 | 23.00 |
| | 6H | 19.90 | 20.35 | 20.74 | 21.21 | 22.20 | 21.15 | 21.60 | 21.99 | 22.46 | 23.46 |
| | 8H | 20.10 | 20.51 | 20.96 | 21.36 | 22.37 | 21.33 | 21.73 | 22.18 | 22.59 | 23.60 |
| | 12H | 20.24 | 20.59 | 21.09 | 21.44 | 22.50 | 21.44 | 21.80 | 22.29 | 22.64 | 23.71 |
| 12H | 4H | 19.31 | 19.80 | 20.14 | 20.64 | 21.64 | 20.62 | 21.12 | 21.45 | 21.96 | 22.95 |
| | 6H | 19.95 | 20.35 | 20.80 | 21.21 | 22.22 | 21.16 | 21.57 | 22.02 | 22.42 | 23.43 |
| | 8H | 20.19 | 20.54 | 21.04 | 21.39 | 22.46 | 21.37 | 21.73 | 22.23 | 22.58 | 23.64 |