

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: P832398

Luminaire Tested: S123RDIP-S775D585U927-4F0-1E-UDD-G

Issue Date: 05/03/2024

Test Information

Test Method: LM-79-2019
Report Number: P832398
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2301-905-2, G3-1807-864-5)
Test Lab: INNOVATION CENTER
Issue Date: 05/03/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-S775D585U927-4F0-1E-UDD-G
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, GRAZE OPTIC
UPLIGHT 585 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: -

Summary

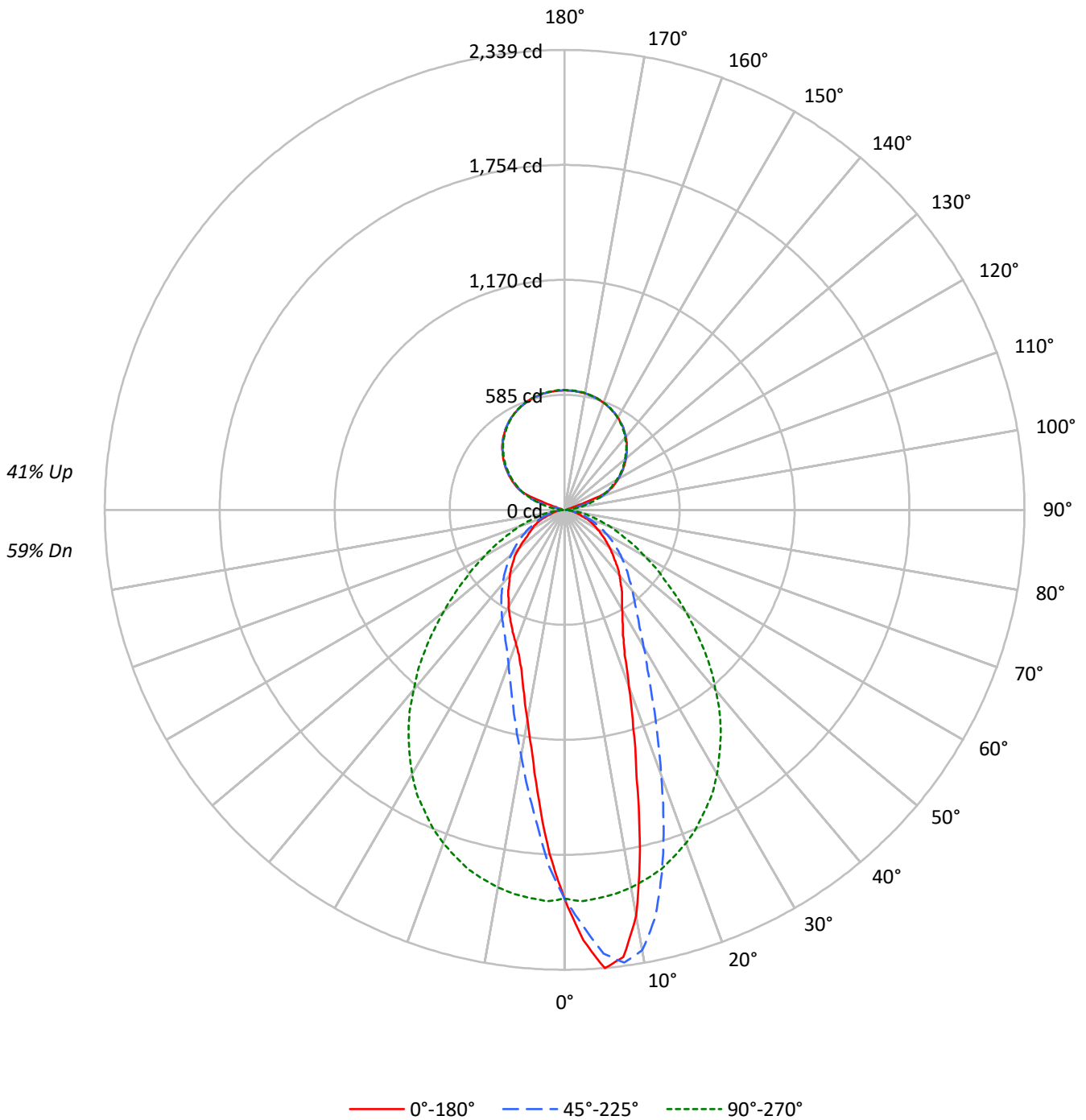
Lumens per Lamp: N/A
Luminaire Lumens: 4477.2 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 1.17 / 0.8
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 41.1
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: P832398

CATALOG NUMBER: S123RDIP-S775D585U927-4F0-1E-UDD-G

Luminous Intensity Polar Plot





TEST NUMBER: P832398

CATALOG NUMBER: S123RDIP-S775D585U927-4F0-1E-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 | 109 | 109 | 109 | 109 | 102 | 102 | 102 | 102 | 88 | 88 | 88 | 76 | 76 | 76 | 64 | 64 | 64 | 59 | | | | | | | | |
| 1 | 101 | 97 | 93 | 90 | 94 | 90 | 87 | 84 | 79 | 76 | 74 | 68 | 66 | 65 | 58 | 57 | 56 | 51 | | | | | | | | |
| 2 | 92 | 86 | 80 | 75 | 86 | 80 | 75 | 71 | 70 | 66 | 63 | 61 | 58 | 56 | 52 | 50 | 49 | 44 | | | | | | | | |
| 3 | 85 | 76 | 69 | 64 | 79 | 72 | 65 | 61 | 63 | 58 | 54 | 55 | 51 | 48 | 47 | 45 | 43 | 39 | | | | | | | | |
| 4 | 78 | 68 | 61 | 55 | 73 | 64 | 58 | 52 | 57 | 51 | 47 | 50 | 46 | 42 | 43 | 40 | 38 | 34 | | | | | | | | |
| 5 | 73 | 61 | 54 | 48 | 68 | 58 | 51 | 46 | 51 | 46 | 42 | 45 | 41 | 38 | 39 | 36 | 34 | 31 | | | | | | | | |
| 6 | 67 | 56 | 48 | 43 | 63 | 53 | 46 | 41 | 47 | 41 | 37 | 41 | 37 | 34 | 36 | 33 | 30 | 28 | | | | | | | | |
| 7 | 63 | 51 | 43 | 38 | 59 | 48 | 41 | 36 | 43 | 37 | 33 | 38 | 34 | 30 | 34 | 30 | 28 | 25 | | | | | | | | |
| 8 | 58 | 47 | 39 | 34 | 55 | 44 | 38 | 33 | 40 | 34 | 30 | 35 | 31 | 28 | 31 | 28 | 25 | 23 | | | | | | | | |
| 9 | 55 | 43 | 36 | 31 | 51 | 41 | 34 | 30 | 37 | 31 | 28 | 33 | 28 | 25 | 29 | 26 | 23 | 21 | | | | | | | | |
| 10 | 51 | 40 | 33 | 28 | 48 | 38 | 32 | 27 | 34 | 29 | 25 | 31 | 26 | 23 | 27 | 24 | 21 | 20 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 21288 | 21288 | 21288 | 21288 | 21288 |
| 5° | 25276 | 24470 | 21421 | 17316 | 16077 |
| 10° | 22900 | 24855 | 21315 | 13874 | 11903 |
| 15° | 15767 | 21311 | 21089 | 11340 | 9415 |
| 20° | 10969 | 16408 | 20665 | 9562 | 8276 |
| 25° | 8359 | 12505 | 20050 | 8499 | 7627 |
| 30° | 7276 | 9998 | 19280 | 7891 | 7065 |
| 35° | 6681 | 8433 | 18188 | 7378 | 6553 |
| 40° | 6095 | 7531 | 16760 | 6875 | 6084 |
| 45° | 5504 | 6888 | 15219 | 6400 | 5616 |
| 50° | 4997 | 6355 | 13402 | 5933 | 5037 |
| 55° | 4519 | 5836 | 11656 | 5478 | 4322 |
| 60° | 4049 | 5307 | 10125 | 4975 | 4084 |
| 65° | 3739 | 4709 | 8716 | 4470 | 3861 |
| 70° | 3037 | 4069 | 7604 | 4044 | 3138 |
| 75° | 2666 | 3236 | 6442 | 3356 | 2766 |
| 80° | 2411 | 2740 | 5275 | 2814 | 2616 |
| 85° | 2198 | 2408 | 4001 | 2556 | 2408 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 80°
 Vertical Angle: 45°
 Luminance: 16058 cd/sqm



TEST NUMBER: P832398

CATALOG NUMBER: S123RDIP-S775D585U927-4F0-1E-UDD-G

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 180.3 | 4.0 |
| 10°-20° | 417.1 | 9.3 |
| 20°-30° | 478.6 | 10.7 |
| 30°-40° | 471.7 | 10.5 |
| 40°-50° | 416.0 | 9.3 |
| 50°-60° | 320.0 | 7.1 |
| 60°-70° | 210.4 | 4.7 |
| 70°-80° | 102.2 | 2.3 |
| 80°-90° | 27.0 | 0.6 |
| 90°-100° | 21.4 | 0.5 |
| 100°-110° | 103.7 | 2.3 |
| 110°-120° | 254.1 | 5.7 |
| 120°-130° | 322.6 | 7.2 |
| 130°-140° | 344.6 | 7.7 |
| 140°-150° | 322.2 | 7.2 |
| 150°-160° | 259.9 | 5.8 |
| 160°-170° | 167.7 | 3.7 |
| 170°-180° | 57.8 | 1.3 |
| 0°-30° | 1076.0 | 24.0 |
| 0°-40° | 1547.7 | 34.6 |
| 0°-60° | 2283.7 | 51.0 |
| 0°-90° | 2623.3 | 58.6 |
| 90°-120° | 379.2 | 8.5 |
| 90°-150° | 1368.5 | 30.6 |
| 90°-180° | 1854.0 | 41.4 |
| 0°-180° | 4477.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1978 | 1978 | 1978 | 1978 | 1978 | |
| 5° | 2339 | 2265 | 1982 | 1603 | 1488 | 214 |
| 15° | 1415 | 1912 | 1892 | 1018 | 845 | 399 |
| 25° | 704 | 1053 | 1688 | 716 | 642 | 332 |
| 35° | 508 | 642 | 1384 | 562 | 499 | 317 |
| 45° | 362 | 452 | 1000 | 420 | 369 | 281 |
| 55° | 241 | 311 | 621 | 292 | 230 | 216 |
| 65° | 147 | 185 | 342 | 176 | 152 | 144 |
| 75° | 64 | 78 | 155 | 81 | 66 | 69 |
| 85° | 18 | 20 | 32 | 21 | 20 | 19 |
| 90° | 14 | 11 | 0 | 11 | 14 | 7 |
| 95° | 17 | 14 | 28 | 14 | 17 | 14 |
| 105° | 20 | 99 | 135 | 99 | 20 | 41 |
| 115° | 266 | 259 | 253 | 259 | 266 | 250 |
| 125° | 363 | 362 | 356 | 362 | 363 | 325 |
| 135° | 448 | 448 | 443 | 448 | 448 | 345 |
| 145° | 516 | 516 | 512 | 516 | 516 | 322 |
| 155° | 562 | 563 | 563 | 563 | 562 | 259 |
| 165° | 593 | 592 | 594 | 592 | 593 | 167 |
| 175° | 606 | 606 | 608 | 606 | 606 | 58 |
| 180° | 608 | 608 | 608 | 608 | 608 | |



TEST NUMBER: P832398

CATALOG NUMBER: S123RDIP-S775D585U927-4F0-1E-UDD-G

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 |
| 2.5° | 2191.7 | 2184.8 | 2177.9 | 2175.9 | 2173.9 | 2167.4 | 2160.9 | 2146.3 | 2131.7 | 2116.7 | 2101.7 |
| 5° | 2339.3 | 2340.1 | 2340.9 | 2338.9 | 2336.9 | 2328.4 | 2319.8 | 2302.0 | 2284.2 | 2264.7 | 2245.2 |
| 7.5° | 2293.9 | 2306.9 | 2319.8 | 2322.3 | 2324.7 | 2331.2 | 2337.7 | 2333.6 | 2329.6 | 2322.3 | 2315.0 |
| 10° | 2095.2 | 2094.4 | 2093.6 | 2108.2 | 2122.8 | 2166.2 | 2209.6 | 2231.9 | 2254.2 | 2274.0 | 2293.9 |
| 12.5° | 1770.9 | 1772.1 | 1773.3 | 1821.2 | 1869.0 | 1910.0 | 1950.9 | 2007.7 | 2064.4 | 2125.6 | 2186.9 |
| 15° | 1414.9 | 1434.8 | 1454.7 | 1497.2 | 1539.8 | 1601.4 | 1663.0 | 1739.3 | 1815.5 | 1912.4 | 2009.3 |
| 17.5° | 1161.9 | 1170.5 | 1179.0 | 1219.9 | 1260.9 | 1319.2 | 1377.6 | 1464.0 | 1550.3 | 1675.2 | 1800.1 |
| 20° | 957.6 | 965.3 | 973.0 | 1002.6 | 1032.2 | 1088.2 | 1144.1 | 1226.4 | 1308.7 | 1432.4 | 1556.0 |
| 22.5° | 799.5 | 814.5 | 829.5 | 849.4 | 869.2 | 909.8 | 950.3 | 1034.2 | 1118.2 | 1230.9 | 1343.6 |
| 25° | 703.8 | 710.7 | 717.6 | 734.6 | 751.7 | 790.6 | 829.5 | 885.0 | 940.6 | 1052.9 | 1165.2 |
| 27.5° | 638.9 | 641.0 | 643.0 | 655.6 | 668.1 | 693.3 | 718.4 | 769.9 | 821.4 | 913.8 | 1006.3 |
| 30° | 585.4 | 589.1 | 592.7 | 602.5 | 612.2 | 630.4 | 648.7 | 685.2 | 721.7 | 804.4 | 887.1 |
| 32.5° | 544.1 | 546.1 | 548.1 | 556.2 | 564.4 | 577.7 | 591.1 | 619.9 | 648.7 | 711.9 | 775.2 |
| 35° | 508.4 | 508.8 | 509.2 | 515.3 | 521.4 | 534.3 | 547.3 | 571.2 | 595.2 | 641.8 | 688.4 |
| 37.5° | 467.9 | 470.7 | 473.5 | 478.0 | 482.5 | 493.8 | 505.2 | 524.6 | 544.1 | 582.6 | 621.1 |
| 40° | 433.8 | 436.2 | 438.7 | 443.9 | 449.2 | 458.1 | 467.0 | 484.9 | 502.7 | 536.0 | 569.2 |
| 42.5° | 399.7 | 401.4 | 403.0 | 408.3 | 413.5 | 424.5 | 435.4 | 449.6 | 463.8 | 491.4 | 518.9 |
| 45° | 361.6 | 365.7 | 369.7 | 375.4 | 381.1 | 390.4 | 399.7 | 414.3 | 428.9 | 452.5 | 476.0 |
| 47.5° | 330.0 | 332.0 | 334.1 | 338.9 | 343.8 | 355.2 | 366.5 | 379.5 | 392.5 | 414.3 | 436.2 |
| 50° | 298.4 | 299.2 | 300.0 | 304.5 | 308.9 | 319.1 | 329.2 | 344.2 | 359.2 | 379.5 | 399.7 |
| 52.5° | 268.4 | 270.4 | 272.4 | 276.9 | 281.4 | 288.3 | 295.1 | 310.6 | 326.0 | 345.8 | 365.7 |
| 55° | 240.8 | 242.0 | 243.3 | 246.5 | 249.7 | 257.8 | 266.0 | 279.3 | 292.7 | 311.0 | 329.2 |
| 57.5° | 214.9 | 216.5 | 218.1 | 220.6 | 223.0 | 230.3 | 237.6 | 249.3 | 261.1 | 279.3 | 297.6 |
| 60° | 188.1 | 190.1 | 192.2 | 195.0 | 197.8 | 203.5 | 209.2 | 219.7 | 230.3 | 246.5 | 262.7 |
| 62.5° | 168.7 | 169.1 | 169.5 | 171.9 | 174.3 | 178.4 | 182.4 | 191.0 | 199.5 | 215.7 | 231.9 |
| 65° | 146.8 | 148.0 | 149.2 | 150.4 | 151.6 | 154.9 | 158.1 | 165.4 | 172.7 | 184.9 | 197.0 |
| 67.5° | 124.1 | 125.3 | 126.5 | 128.5 | 130.5 | 133.4 | 136.2 | 141.1 | 146.0 | 157.3 | 168.7 |
| 70° | 96.5 | 96.5 | 96.5 | 99.7 | 103.0 | 107.8 | 112.7 | 116.4 | 120.0 | 129.3 | 138.7 |
| 72.5° | 78.7 | 79.1 | 79.5 | 79.9 | 80.3 | 83.1 | 85.9 | 92.0 | 98.1 | 103.8 | 109.5 |
| 75° | 64.1 | 64.5 | 64.9 | 65.3 | 65.7 | 66.5 | 67.3 | 69.3 | 71.4 | 77.8 | 84.3 |
| 77.5° | 51.1 | 51.5 | 51.9 | 52.3 | 52.7 | 53.5 | 54.3 | 55.1 | 55.9 | 58.4 | 60.8 |
| 80° | 38.9 | 39.3 | 39.7 | 40.1 | 40.5 | 40.9 | 41.4 | 42.2 | 43.0 | 44.2 | 45.4 |
| 82.5° | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 29.2 | 30.0 | 30.0 | 30.0 | 30.8 | 31.6 |
| 85° | 17.8 | 17.8 | 17.8 | 18.2 | 18.6 | 18.6 | 18.6 | 19.1 | 19.5 | 19.5 | 19.5 |
| 87.5° | 8.1 | 7.7 | 7.3 | 7.7 | 8.1 | 8.1 | 8.1 | 8.5 | 8.9 | 8.9 | 8.9 |
| 90° | 13.6 | 13.4 | 13.2 | 13.0 | 12.8 | 12.5 | 12.0 | 11.6 | 11.2 | 10.8 | 9.5 |
| 92.5° | 15.4 | 15.3 | 15.2 | 15.1 | 15.0 | 14.6 | 13.9 | 13.2 | 12.5 | 11.7 | 10.8 |
| 95° | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 16.8 | 16.1 | 15.4 | 14.7 | 14.0 | 12.9 |
| 97.5° | 18.5 | 18.4 | 18.3 | 18.2 | 18.1 | 17.7 | 16.9 | 16.1 | 15.3 | 14.5 | 19.6 |
| 100° | 19.0 | 18.9 | 18.8 | 18.7 | 18.6 | 18.1 | 17.3 | 16.5 | 15.7 | 14.9 | 30.6 |
| 102.5° | 19.4 | 19.2 | 19.0 | 18.8 | 18.6 | 20.2 | 23.5 | 26.8 | 30.1 | 33.4 | 50.9 |
| 105° | 19.9 | 19.7 | 19.5 | 19.3 | 19.1 | 27.9 | 45.6 | 63.4 | 81.2 | 98.9 | 108.0 |
| 107.5° | 47.0 | 60.1 | 73.3 | 86.4 | 99.6 | 113.9 | 129.4 | 144.8 | 160.3 | 175.8 | 174.3 |
| 110° | 124.3 | 138.6 | 153.0 | 167.3 | 181.7 | 190.5 | 193.8 | 197.1 | 200.5 | 203.8 | 202.7 |



TEST NUMBER: P832398

CATALOG NUMBER: S123RDIP-S775D585U927-4F0-1E-UDD-G

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 235.4 | 235.6 | 235.8 | 236.0 | 236.2 | 235.9 | 234.9 | 234.0 | 233.1 | 232.2 | 231.1 |
| 115° | 265.7 | 265.3 | 264.9 | 264.5 | 264.1 | 263.4 | 262.4 | 261.4 | 260.4 | 259.3 | 258.4 |
| 117.5° | 290.1 | 290.0 | 289.9 | 289.8 | 289.7 | 289.2 | 288.4 | 287.6 | 286.8 | 286.0 | 285.5 |
| 120° | 315.4 | 315.4 | 315.4 | 315.4 | 315.4 | 315.0 | 314.2 | 313.4 | 312.6 | 311.8 | 311.5 |
| 122.5° | 340.2 | 340.1 | 340.0 | 339.9 | 339.8 | 339.5 | 339.0 | 338.5 | 338.0 | 337.5 | 337.1 |
| 125° | 363.3 | 363.1 | 362.9 | 362.7 | 362.5 | 362.3 | 362.1 | 361.9 | 361.7 | 361.5 | 361.1 |
| 127.5° | 385.9 | 386.1 | 386.3 | 386.5 | 386.7 | 386.6 | 386.3 | 386.0 | 385.7 | 385.4 | 384.9 |
| 130° | 407.5 | 407.7 | 407.9 | 408.1 | 408.3 | 408.2 | 407.8 | 407.4 | 407.0 | 406.6 | 406.2 |
| 132.5° | 427.4 | 427.7 | 428.0 | 428.3 | 428.6 | 428.6 | 428.2 | 427.8 | 427.4 | 427.0 | 426.7 |
| 135° | 447.8 | 448.1 | 448.4 | 448.7 | 449.0 | 449.0 | 448.7 | 448.4 | 448.1 | 447.8 | 447.4 |
| 137.5° | 467.2 | 467.4 | 467.6 | 467.8 | 468.0 | 467.8 | 467.3 | 466.8 | 466.3 | 465.8 | 465.6 |
| 140° | 484.4 | 484.6 | 484.8 | 485.0 | 485.2 | 485.1 | 484.7 | 484.3 | 483.9 | 483.5 | 483.2 |
| 142.5° | 500.2 | 500.5 | 500.8 | 501.1 | 501.4 | 501.4 | 501.1 | 500.8 | 500.5 | 500.2 | 499.9 |
| 145° | 516.4 | 516.4 | 516.4 | 516.4 | 516.4 | 516.3 | 516.1 | 515.9 | 515.7 | 515.5 | 515.3 |
| 147.5° | 528.2 | 528.7 | 529.2 | 529.7 | 530.2 | 530.3 | 530.1 | 529.9 | 529.7 | 529.5 | 529.3 |
| 150° | 541.7 | 542.0 | 542.3 | 542.6 | 542.9 | 543.0 | 542.8 | 542.6 | 542.4 | 542.2 | 542.0 |
| 152.5° | 552.6 | 553.1 | 553.6 | 554.1 | 554.6 | 554.6 | 554.2 | 553.8 | 553.4 | 553.0 | 552.9 |
| 155° | 562.5 | 563.1 | 563.7 | 564.3 | 564.9 | 565.0 | 564.5 | 564.0 | 563.5 | 563.0 | 562.9 |
| 157.5° | 571.1 | 571.9 | 572.7 | 573.5 | 574.3 | 574.4 | 573.8 | 573.2 | 572.6 | 572.0 | 572.1 |
| 160° | 579.2 | 579.9 | 580.6 | 581.3 | 582.1 | 582.1 | 581.5 | 580.9 | 580.3 | 579.7 | 579.8 |
| 162.5° | 586.9 | 587.5 | 588.1 | 588.7 | 589.3 | 589.3 | 588.6 | 587.9 | 587.2 | 586.5 | 586.6 |
| 165° | 592.8 | 593.5 | 594.2 | 594.9 | 595.6 | 595.6 | 594.8 | 593.9 | 593.1 | 592.3 | 592.4 |
| 167.5° | 597.3 | 598.1 | 598.9 | 599.7 | 600.5 | 600.5 | 599.7 | 598.9 | 598.1 | 597.3 | 597.3 |
| 170° | 601.4 | 602.2 | 603.0 | 603.8 | 604.6 | 604.6 | 603.8 | 603.0 | 602.2 | 601.4 | 601.4 |
| 172.5° | 603.6 | 604.5 | 605.4 | 606.3 | 607.3 | 607.3 | 606.5 | 605.7 | 604.9 | 604.1 | 604.0 |
| 175° | 605.9 | 606.7 | 607.5 | 608.3 | 609.1 | 609.2 | 608.5 | 607.8 | 607.1 | 606.3 | 606.2 |
| 177.5° | 606.3 | 607.4 | 608.4 | 609.4 | 610.4 | 610.5 | 609.7 | 608.9 | 608.1 | 607.3 | 607.2 |
| 180° | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 |



TEST NUMBER: P832398

CATALOG NUMBER: S123RDIP-S775D585U927-4F0-1E-UDD-G

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 |
| 2.5° | 2099.7 | 2097.7 | 2078.2 | 2058.7 | 2039.7 | 2020.6 | 2006.4 | 1992.3 | 1968.3 | 1944.4 | 1929.4 |
| 5° | 2229.8 | 2214.4 | 2183.6 | 2152.8 | 2106.6 | 2060.4 | 2021.4 | 1982.5 | 1933.1 | 1883.6 | 1842.2 |
| 7.5° | 2302.4 | 2289.8 | 2252.5 | 2215.2 | 2154.0 | 2092.8 | 2032.0 | 1971.2 | 1898.2 | 1825.2 | 1762.8 |
| 10° | 2304.4 | 2315.0 | 2284.2 | 2253.3 | 2184.4 | 2115.5 | 2032.8 | 1950.1 | 1852.0 | 1753.9 | 1673.2 |
| 12.5° | 2232.3 | 2277.7 | 2271.2 | 2264.7 | 2194.6 | 2124.4 | 2023.9 | 1923.3 | 1802.9 | 1682.5 | 1581.6 |
| 15° | 2097.3 | 2185.2 | 2211.2 | 2237.1 | 2179.2 | 2121.2 | 2006.8 | 1892.5 | 1751.0 | 1609.5 | 1493.6 |
| 17.5° | 1923.3 | 2046.6 | 2115.1 | 2183.6 | 2141.4 | 2099.3 | 1974.0 | 1848.7 | 1689.4 | 1530.1 | 1404.0 |
| 20° | 1717.4 | 1878.7 | 1986.2 | 2093.6 | 2078.2 | 2062.8 | 1933.5 | 1804.1 | 1632.2 | 1460.3 | 1323.7 |
| 22.5° | 1513.9 | 1684.1 | 1832.5 | 1980.9 | 1996.7 | 2012.5 | 1882.0 | 1751.4 | 1563.3 | 1375.2 | 1236.1 |
| 25° | 1338.3 | 1511.4 | 1688.2 | 1865.0 | 1900.6 | 1936.3 | 1812.2 | 1688.2 | 1493.2 | 1298.2 | 1159.9 |
| 27.5° | 1170.9 | 1335.5 | 1530.1 | 1724.7 | 1789.5 | 1854.4 | 1740.9 | 1627.4 | 1424.3 | 1221.1 | 1083.3 |
| 30° | 1034.2 | 1181.4 | 1380.1 | 1578.7 | 1669.1 | 1759.5 | 1655.3 | 1551.2 | 1349.7 | 1148.2 | 1013.2 |
| 32.5° | 906.9 | 1038.7 | 1238.2 | 1437.6 | 1542.6 | 1647.6 | 1557.6 | 1467.6 | 1273.8 | 1080.0 | 946.7 |
| 35° | 806.4 | 924.4 | 1110.5 | 1296.5 | 1414.1 | 1531.7 | 1457.9 | 1384.1 | 1194.8 | 1005.5 | 879.4 |
| 37.5° | 720.0 | 819.0 | 993.7 | 1168.4 | 1293.3 | 1418.2 | 1356.5 | 1294.9 | 1116.9 | 939.0 | 819.8 |
| 40° | 648.7 | 728.1 | 890.7 | 1053.3 | 1175.7 | 1298.2 | 1245.5 | 1192.8 | 1033.4 | 874.1 | 762.6 |
| 42.5° | 587.5 | 656.0 | 801.9 | 947.9 | 1060.2 | 1172.5 | 1137.6 | 1102.8 | 958.4 | 814.1 | 710.7 |
| 45° | 533.5 | 591.1 | 719.6 | 848.1 | 951.5 | 1054.9 | 1027.3 | 999.8 | 875.3 | 750.8 | 656.0 |
| 47.5° | 485.7 | 535.2 | 649.9 | 764.6 | 857.5 | 950.3 | 924.8 | 899.2 | 796.3 | 693.3 | 606.9 |
| 50° | 441.9 | 484.1 | 579.8 | 675.4 | 759.0 | 842.5 | 821.4 | 800.3 | 715.2 | 630.0 | 555.4 |
| 52.5° | 400.6 | 435.4 | 521.4 | 607.3 | 674.6 | 741.9 | 725.7 | 709.5 | 643.8 | 578.1 | 510.4 |
| 55° | 361.2 | 393.3 | 465.8 | 538.4 | 596.0 | 653.5 | 637.3 | 621.1 | 570.0 | 518.9 | 459.3 |
| 57.5° | 325.6 | 353.5 | 412.3 | 471.1 | 516.9 | 562.7 | 555.0 | 547.3 | 504.8 | 462.2 | 413.1 |
| 60° | 287.9 | 313.0 | 363.7 | 414.3 | 451.2 | 488.1 | 479.2 | 470.3 | 439.9 | 409.5 | 367.3 |
| 62.5° | 254.2 | 276.5 | 317.0 | 357.6 | 387.6 | 417.6 | 411.1 | 404.6 | 381.5 | 358.4 | 323.5 |
| 65° | 218.9 | 240.8 | 273.7 | 306.5 | 330.0 | 353.5 | 347.9 | 342.2 | 324.7 | 307.3 | 279.3 |
| 67.5° | 186.9 | 205.1 | 233.5 | 261.9 | 277.7 | 293.5 | 290.3 | 287.0 | 273.7 | 260.3 | 238.4 |
| 70° | 154.5 | 170.3 | 193.8 | 217.3 | 228.3 | 239.2 | 240.4 | 241.6 | 229.5 | 217.3 | 201.1 |
| 72.5° | 122.0 | 134.6 | 156.5 | 178.4 | 186.9 | 195.4 | 195.0 | 194.6 | 187.3 | 180.0 | 165.4 |
| 75° | 93.7 | 103.0 | 120.0 | 137.0 | 144.3 | 151.6 | 153.3 | 154.9 | 148.0 | 141.1 | 133.0 |
| 77.5° | 67.3 | 73.8 | 86.8 | 99.7 | 107.8 | 116.0 | 116.8 | 117.6 | 114.3 | 111.1 | 103.4 |
| 80° | 47.4 | 49.5 | 57.6 | 65.7 | 74.2 | 82.7 | 83.9 | 85.1 | 81.9 | 78.7 | 73.8 |
| 82.5° | 32.8 | 34.1 | 36.9 | 39.7 | 46.6 | 53.5 | 55.1 | 56.8 | 55.1 | 53.5 | 48.2 |
| 85° | 19.9 | 20.3 | 21.5 | 22.7 | 25.9 | 29.2 | 30.8 | 32.4 | 31.6 | 30.8 | 28.0 |
| 87.5° | 8.9 | 8.9 | 9.3 | 9.7 | 10.5 | 11.4 | 13.4 | 15.4 | 14.2 | 13.0 | 11.8 |
| 90° | 8.2 | 6.9 | 5.6 | 4.5 | 3.5 | 2.5 | 1.5 | 0.5 | 1.5 | 2.5 | 3.5 |
| 92.5° | 9.9 | 9.0 | 8.1 | 8.0 | 8.6 | 9.2 | 9.8 | 10.4 | 9.8 | 9.2 | 8.6 |
| 95° | 11.8 | 10.7 | 9.6 | 11.1 | 15.2 | 19.3 | 23.4 | 27.6 | 23.4 | 19.3 | 15.2 |
| 97.5° | 24.7 | 29.8 | 34.9 | 38.9 | 41.7 | 44.5 | 47.3 | 50.2 | 47.3 | 44.5 | 41.7 |
| 100° | 46.2 | 61.9 | 77.6 | 84.4 | 82.4 | 80.4 | 78.4 | 76.4 | 78.4 | 80.4 | 82.4 |
| 102.5° | 68.4 | 85.8 | 103.3 | 111.4 | 110.1 | 108.8 | 107.5 | 106.2 | 107.5 | 108.8 | 110.1 |
| 105° | 117.0 | 126.1 | 135.1 | 139.1 | 138.0 | 136.9 | 135.7 | 134.6 | 135.7 | 136.9 | 138.0 |
| 107.5° | 172.7 | 171.2 | 169.7 | 168.5 | 167.6 | 166.7 | 165.8 | 164.9 | 165.8 | 166.7 | 167.6 |
| 110° | 201.6 | 200.5 | 199.4 | 198.4 | 197.6 | 196.8 | 196.0 | 195.2 | 196.0 | 196.8 | 197.6 |



TEST NUMBER: P832398

CATALOG NUMBER: S123RDIP-S775D585U927-4F0-1E-UDD-G

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 230.0 | 228.9 | 227.8 | 226.9 | 226.2 | 225.5 | 224.8 | 224.1 | 224.8 | 225.5 | 226.2 |
| 115° | 257.5 | 256.6 | 255.7 | 255.0 | 254.4 | 253.8 | 253.2 | 252.6 | 253.2 | 253.8 | 254.4 |
| 117.5° | 285.0 | 284.5 | 284.0 | 283.4 | 282.7 | 282.0 | 281.3 | 280.6 | 281.3 | 282.0 | 282.7 |
| 120° | 311.2 | 310.9 | 310.6 | 310.0 | 309.0 | 308.1 | 307.2 | 306.3 | 307.2 | 308.1 | 309.0 |
| 122.5° | 336.7 | 336.3 | 335.9 | 335.4 | 334.7 | 333.9 | 333.2 | 332.5 | 333.2 | 333.9 | 334.7 |
| 125° | 360.7 | 360.3 | 359.9 | 359.3 | 358.4 | 357.6 | 356.8 | 356.0 | 356.8 | 357.6 | 358.4 |
| 127.5° | 384.4 | 383.9 | 383.4 | 382.7 | 381.9 | 381.1 | 380.3 | 379.5 | 380.3 | 381.1 | 381.9 |
| 130° | 405.8 | 405.4 | 405.0 | 404.4 | 403.6 | 402.8 | 402.0 | 401.2 | 402.0 | 402.8 | 403.6 |
| 132.5° | 426.4 | 426.1 | 425.8 | 425.2 | 424.4 | 423.6 | 422.8 | 422.0 | 422.8 | 423.6 | 424.4 |
| 135° | 447.0 | 446.6 | 446.2 | 445.7 | 445.0 | 444.4 | 443.8 | 443.2 | 443.8 | 444.4 | 445.0 |
| 137.5° | 465.4 | 465.2 | 465.0 | 464.5 | 463.7 | 462.9 | 462.1 | 461.3 | 462.1 | 462.9 | 463.7 |
| 140° | 482.9 | 482.5 | 482.2 | 481.8 | 481.2 | 480.6 | 480.0 | 479.4 | 480.0 | 480.6 | 481.2 |
| 142.5° | 499.6 | 499.3 | 499.0 | 498.5 | 497.9 | 497.3 | 496.7 | 496.1 | 496.7 | 497.3 | 497.9 |
| 145° | 515.1 | 514.9 | 514.7 | 514.3 | 513.6 | 512.9 | 512.2 | 511.5 | 512.2 | 512.9 | 513.6 |
| 147.5° | 529.1 | 528.9 | 528.7 | 528.4 | 527.9 | 527.4 | 526.9 | 526.4 | 526.9 | 527.4 | 527.9 |
| 150° | 541.8 | 541.6 | 541.4 | 541.1 | 540.8 | 540.5 | 540.2 | 539.9 | 540.2 | 540.5 | 540.8 |
| 152.5° | 552.8 | 552.7 | 552.6 | 552.5 | 552.4 | 552.3 | 552.2 | 552.1 | 552.2 | 552.3 | 552.4 |
| 155° | 562.8 | 562.7 | 562.6 | 562.6 | 562.8 | 563.0 | 563.2 | 563.4 | 563.2 | 563.0 | 562.8 |
| 157.5° | 572.2 | 572.3 | 572.4 | 572.5 | 572.5 | 572.5 | 572.5 | 572.5 | 572.5 | 572.5 | 572.5 |
| 160° | 579.9 | 580.0 | 580.1 | 580.2 | 580.3 | 580.4 | 580.5 | 580.6 | 580.5 | 580.4 | 580.3 |
| 162.5° | 586.7 | 586.8 | 586.9 | 587.1 | 587.4 | 587.7 | 588.0 | 588.3 | 588.0 | 587.7 | 587.4 |
| 165° | 592.5 | 592.6 | 592.7 | 592.9 | 593.2 | 593.5 | 593.8 | 594.1 | 593.8 | 593.5 | 593.2 |
| 167.5° | 597.3 | 597.3 | 597.3 | 597.5 | 597.9 | 598.3 | 598.7 | 599.1 | 598.7 | 598.3 | 597.9 |
| 170° | 601.4 | 601.4 | 601.4 | 601.6 | 602.0 | 602.4 | 602.8 | 603.2 | 602.8 | 602.4 | 602.0 |
| 172.5° | 603.9 | 603.8 | 603.7 | 603.9 | 604.4 | 604.9 | 605.4 | 605.9 | 605.4 | 604.9 | 604.4 |
| 175° | 606.1 | 606.0 | 605.9 | 606.1 | 606.7 | 607.2 | 607.7 | 608.2 | 607.7 | 607.2 | 606.7 |
| 177.5° | 607.1 | 607.0 | 606.9 | 607.1 | 607.6 | 608.1 | 608.6 | 609.1 | 608.6 | 608.1 | 607.6 |
| 180° | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 |



TEST NUMBER: P832398

CATALOG NUMBER: S123RDIP-S775D585U927-4F0-1E-UDD-G

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 | 1977.7 |
| 2.5° | 1914.4 | 1891.3 | 1868.2 | 1851.6 | 1834.9 | 1814.3 | 1793.6 | 1792.8 | 1792.0 | 1776.6 | 1761.2 |
| 5° | 1800.9 | 1760.8 | 1720.6 | 1681.3 | 1642.0 | 1602.6 | 1563.3 | 1554.4 | 1545.5 | 1532.1 | 1518.7 |
| 7.5° | 1700.3 | 1636.3 | 1572.2 | 1522.0 | 1471.7 | 1432.4 | 1393.0 | 1366.3 | 1339.5 | 1318.8 | 1298.2 |
| 10° | 1592.5 | 1513.0 | 1433.6 | 1372.8 | 1312.0 | 1269.4 | 1226.8 | 1196.0 | 1165.2 | 1150.6 | 1136.0 |
| 12.5° | 1480.6 | 1394.3 | 1307.9 | 1248.3 | 1188.7 | 1137.6 | 1086.5 | 1058.6 | 1030.6 | 1010.3 | 990.0 |
| 15° | 1377.6 | 1284.8 | 1191.9 | 1128.7 | 1065.5 | 1017.6 | 969.8 | 941.8 | 913.8 | 893.6 | 873.3 |
| 17.5° | 1277.9 | 1184.2 | 1090.6 | 1026.5 | 962.5 | 919.1 | 875.7 | 848.6 | 821.4 | 808.8 | 796.3 |
| 20° | 1187.1 | 1092.6 | 998.2 | 937.7 | 877.3 | 834.8 | 792.2 | 777.6 | 763.0 | 751.3 | 739.5 |
| 22.5° | 1097.1 | 1006.3 | 915.4 | 857.5 | 799.5 | 768.7 | 737.9 | 726.1 | 714.4 | 705.4 | 696.5 |
| 25° | 1021.7 | 931.3 | 840.8 | 790.2 | 739.5 | 715.6 | 691.7 | 684.0 | 676.2 | 667.3 | 658.4 |
| 27.5° | 945.4 | 859.5 | 773.5 | 733.0 | 692.5 | 673.0 | 653.5 | 643.8 | 634.1 | 626.8 | 619.5 |
| 30° | 878.1 | 798.7 | 719.2 | 685.6 | 651.9 | 634.9 | 617.9 | 607.3 | 596.8 | 589.9 | 583.0 |
| 32.5° | 813.3 | 742.7 | 672.2 | 643.4 | 614.6 | 598.0 | 581.4 | 571.2 | 561.1 | 553.0 | 544.9 |
| 35° | 753.3 | 692.1 | 630.8 | 604.5 | 578.1 | 561.5 | 544.9 | 534.8 | 524.6 | 516.5 | 508.4 |
| 37.5° | 700.6 | 645.0 | 589.5 | 564.8 | 540.0 | 525.4 | 510.8 | 500.3 | 489.8 | 481.2 | 472.7 |
| 40° | 651.1 | 602.1 | 553.0 | 529.1 | 505.2 | 489.3 | 473.5 | 464.2 | 454.9 | 447.2 | 439.5 |
| 42.5° | 607.3 | 562.3 | 517.3 | 493.8 | 470.3 | 455.3 | 440.3 | 429.3 | 418.4 | 413.9 | 409.5 |
| 45° | 561.1 | 521.4 | 481.6 | 458.9 | 436.2 | 420.4 | 404.6 | 395.3 | 386.0 | 381.9 | 377.9 |
| 47.5° | 520.6 | 483.7 | 446.8 | 424.5 | 402.2 | 388.0 | 373.8 | 366.5 | 359.2 | 353.5 | 347.9 |
| 50° | 480.8 | 445.2 | 409.5 | 388.0 | 366.5 | 354.3 | 342.2 | 333.3 | 324.3 | 320.3 | 316.2 |
| 52.5° | 442.7 | 410.3 | 377.9 | 356.0 | 334.1 | 322.3 | 310.6 | 302.9 | 295.1 | 286.6 | 278.1 |
| 55° | 399.7 | 371.4 | 343.0 | 323.5 | 304.1 | 291.9 | 279.7 | 270.8 | 261.9 | 253.0 | 244.1 |
| 57.5° | 364.1 | 336.1 | 308.1 | 290.7 | 273.3 | 261.5 | 249.7 | 240.0 | 230.3 | 223.0 | 215.7 |
| 60° | 325.2 | 300.8 | 276.5 | 259.5 | 242.4 | 231.1 | 219.7 | 210.4 | 201.1 | 197.4 | 193.8 |
| 62.5° | 288.7 | 266.0 | 243.3 | 228.3 | 213.3 | 202.3 | 191.4 | 185.3 | 179.2 | 176.8 | 174.3 |
| 65° | 251.4 | 231.9 | 212.4 | 198.7 | 184.9 | 175.5 | 166.2 | 163.4 | 160.5 | 158.5 | 156.5 |
| 67.5° | 216.5 | 199.9 | 183.3 | 171.1 | 158.9 | 152.4 | 146.0 | 142.7 | 139.5 | 137.0 | 134.6 |
| 70° | 184.9 | 170.3 | 155.7 | 145.1 | 134.6 | 128.5 | 122.4 | 119.6 | 116.8 | 112.3 | 107.8 |
| 72.5° | 150.8 | 139.5 | 128.1 | 120.0 | 111.9 | 106.6 | 101.4 | 95.7 | 90.0 | 85.9 | 81.9 |
| 75° | 124.9 | 113.5 | 102.2 | 94.5 | 86.8 | 80.7 | 74.6 | 72.6 | 70.5 | 69.3 | 68.1 |
| 77.5° | 95.7 | 85.9 | 76.2 | 70.1 | 64.1 | 61.2 | 58.4 | 57.2 | 55.9 | 55.5 | 55.1 |
| 80° | 68.9 | 60.8 | 52.7 | 49.5 | 46.2 | 45.4 | 44.6 | 43.8 | 43.0 | 42.6 | 42.2 |
| 82.5° | 43.0 | 38.9 | 34.9 | 34.1 | 33.2 | 32.8 | 32.4 | 32.0 | 31.6 | 31.2 | 30.8 |
| 85° | 25.1 | 23.5 | 21.9 | 21.5 | 21.1 | 20.7 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 |
| 87.5° | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.1 | 9.7 |
| 90° | 4.5 | 5.6 | 6.9 | 8.2 | 9.5 | 10.8 | 11.2 | 11.6 | 12.0 | 12.5 | 12.8 |
| 92.5° | 8.0 | 8.1 | 9.0 | 9.9 | 10.8 | 11.7 | 12.5 | 13.2 | 13.9 | 14.6 | 15.0 |
| 95° | 11.1 | 9.6 | 10.7 | 11.8 | 12.9 | 14.0 | 14.7 | 15.4 | 16.1 | 16.8 | 17.2 |
| 97.5° | 38.9 | 34.9 | 29.8 | 24.7 | 19.6 | 14.5 | 15.3 | 16.1 | 16.9 | 17.7 | 18.1 |
| 100° | 84.4 | 77.6 | 61.9 | 46.2 | 30.6 | 14.9 | 15.7 | 16.5 | 17.3 | 18.1 | 18.6 |
| 102.5° | 111.4 | 103.3 | 85.8 | 68.4 | 50.9 | 33.4 | 30.1 | 26.8 | 23.5 | 20.2 | 18.6 |
| 105° | 139.1 | 135.1 | 126.1 | 117.0 | 108.0 | 98.9 | 81.2 | 63.4 | 45.6 | 27.9 | 19.1 |
| 107.5° | 168.5 | 169.7 | 171.2 | 172.7 | 174.3 | 175.8 | 160.3 | 144.8 | 129.4 | 113.9 | 99.6 |
| 110° | 198.4 | 199.4 | 200.5 | 201.6 | 202.7 | 203.8 | 200.5 | 197.1 | 193.8 | 190.5 | 181.7 |



TEST NUMBER: P832398

CATALOG NUMBER: S123RDIP-S775D585U927-4F0-1E-UDD-G

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 226.9 | 227.8 | 228.9 | 230.0 | 231.1 | 232.2 | 233.1 | 234.0 | 234.9 | 235.9 | 236.2 |
| 115° | 255.0 | 255.7 | 256.6 | 257.5 | 258.4 | 259.3 | 260.4 | 261.4 | 262.4 | 263.4 | 264.1 |
| 117.5° | 283.4 | 284.0 | 284.5 | 285.0 | 285.5 | 286.0 | 286.8 | 287.6 | 288.4 | 289.2 | 289.7 |
| 120° | 310.0 | 310.6 | 310.9 | 311.2 | 311.5 | 311.8 | 312.6 | 313.4 | 314.2 | 315.0 | 315.4 |
| 122.5° | 335.4 | 335.9 | 336.3 | 336.7 | 337.1 | 337.5 | 338.0 | 338.5 | 339.0 | 339.5 | 339.8 |
| 125° | 359.3 | 359.9 | 360.3 | 360.7 | 361.1 | 361.5 | 361.7 | 361.9 | 362.1 | 362.3 | 362.5 |
| 127.5° | 382.7 | 383.4 | 383.9 | 384.4 | 384.9 | 385.4 | 385.7 | 386.0 | 386.3 | 386.6 | 386.7 |
| 130° | 404.4 | 405.0 | 405.4 | 405.8 | 406.2 | 406.6 | 407.0 | 407.4 | 407.8 | 408.2 | 408.3 |
| 132.5° | 425.2 | 425.8 | 426.1 | 426.4 | 426.7 | 427.0 | 427.4 | 427.8 | 428.2 | 428.6 | 428.6 |
| 135° | 445.7 | 446.2 | 446.6 | 447.0 | 447.4 | 447.8 | 448.1 | 448.4 | 448.7 | 449.0 | 449.0 |
| 137.5° | 464.5 | 465.0 | 465.2 | 465.4 | 465.6 | 465.8 | 466.3 | 466.8 | 467.3 | 467.8 | 468.0 |
| 140° | 481.8 | 482.2 | 482.5 | 482.9 | 483.2 | 483.5 | 483.9 | 484.3 | 484.7 | 485.1 | 485.2 |
| 142.5° | 498.5 | 499.0 | 499.3 | 499.6 | 499.9 | 500.2 | 500.5 | 500.8 | 501.1 | 501.4 | 501.4 |
| 145° | 514.3 | 514.7 | 514.9 | 515.1 | 515.3 | 515.5 | 515.7 | 515.9 | 516.1 | 516.3 | 516.4 |
| 147.5° | 528.4 | 528.7 | 528.9 | 529.1 | 529.3 | 529.5 | 529.7 | 529.9 | 530.1 | 530.3 | 530.2 |
| 150° | 541.1 | 541.4 | 541.6 | 541.8 | 542.0 | 542.2 | 542.4 | 542.6 | 542.8 | 543.0 | 542.9 |
| 152.5° | 552.5 | 552.6 | 552.7 | 552.8 | 552.9 | 553.0 | 553.4 | 553.8 | 554.2 | 554.6 | 554.6 |
| 155° | 562.6 | 562.6 | 562.7 | 562.8 | 562.9 | 563.0 | 563.5 | 564.0 | 564.5 | 565.0 | 564.9 |
| 157.5° | 572.5 | 572.4 | 572.3 | 572.2 | 572.1 | 572.0 | 572.6 | 573.2 | 573.8 | 574.4 | 574.3 |
| 160° | 580.2 | 580.1 | 580.0 | 579.9 | 579.8 | 579.7 | 580.3 | 580.9 | 581.5 | 582.1 | 582.1 |
| 162.5° | 587.1 | 586.9 | 586.8 | 586.7 | 586.6 | 586.5 | 587.2 | 587.9 | 588.6 | 589.3 | 589.3 |
| 165° | 592.9 | 592.7 | 592.6 | 592.5 | 592.4 | 592.3 | 593.1 | 593.9 | 594.8 | 595.6 | 595.6 |
| 167.5° | 597.5 | 597.3 | 597.3 | 597.3 | 597.3 | 597.3 | 598.1 | 598.9 | 599.7 | 600.5 | 600.5 |
| 170° | 601.6 | 601.4 | 601.4 | 601.4 | 601.4 | 601.4 | 602.2 | 603.0 | 603.8 | 604.6 | 604.6 |
| 172.5° | 603.9 | 603.7 | 603.8 | 603.9 | 604.0 | 604.1 | 604.9 | 605.7 | 606.5 | 607.3 | 607.3 |
| 175° | 606.1 | 605.9 | 606.0 | 606.1 | 606.2 | 606.3 | 607.1 | 607.8 | 608.5 | 609.2 | 609.1 |
| 177.5° | 607.1 | 606.9 | 607.0 | 607.1 | 607.2 | 607.3 | 608.1 | 608.9 | 609.7 | 610.5 | 610.4 |
| 180° | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 |

TEST NUMBER: P832398

CATALOG NUMBER: S123RDIP-S775D585U927-4F0-1E-UDD-G

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|--------|--------|--------|--------|--------|
| 0° | 1977.7 | 1977.7 | 1977.7 | 1977.7 |
| 2.5° | 1757.1 | 1753.1 | 1751.4 | 1749.8 |
| 5° | 1506.2 | 1493.6 | 1490.7 | 1487.9 |
| 7.5° | 1292.9 | 1287.6 | 1270.2 | 1252.8 |
| 10° | 1119.8 | 1103.6 | 1096.3 | 1089.0 |
| 12.5° | 975.0 | 960.0 | 957.6 | 955.2 |
| 15° | 862.7 | 852.2 | 848.6 | 844.9 |
| 17.5° | 789.0 | 781.7 | 777.2 | 772.7 |
| 20° | 734.2 | 729.0 | 725.7 | 722.5 |
| 22.5° | 692.5 | 688.4 | 686.0 | 683.5 |
| 25° | 652.3 | 646.2 | 644.2 | 642.2 |
| 27.5° | 614.2 | 608.9 | 606.9 | 604.9 |
| 30° | 578.5 | 574.1 | 571.2 | 568.4 |
| 32.5° | 539.6 | 534.3 | 532.7 | 531.1 |
| 35° | 505.2 | 501.9 | 500.3 | 498.7 |
| 37.5° | 468.7 | 464.6 | 462.2 | 459.8 |
| 40° | 437.5 | 435.4 | 434.2 | 433.0 |
| 42.5° | 405.8 | 402.2 | 401.8 | 401.4 |
| 45° | 374.2 | 370.6 | 369.7 | 368.9 |
| 47.5° | 344.6 | 341.4 | 341.0 | 340.6 |
| 50° | 311.8 | 307.3 | 304.1 | 300.8 |
| 52.5° | 274.1 | 270.0 | 267.2 | 264.3 |
| 55° | 239.6 | 235.1 | 232.7 | 230.3 |
| 57.5° | 213.7 | 211.6 | 210.4 | 209.2 |
| 60° | 192.6 | 191.4 | 190.5 | 189.7 |
| 62.5° | 173.1 | 171.9 | 171.9 | 171.9 |
| 65° | 155.3 | 154.1 | 152.8 | 151.6 |
| 67.5° | 132.2 | 129.7 | 129.3 | 128.9 |
| 70° | 104.2 | 100.5 | 100.1 | 99.7 |
| 72.5° | 81.5 | 81.1 | 80.3 | 79.5 |
| 75° | 67.3 | 66.5 | 66.5 | 66.5 |
| 77.5° | 54.3 | 53.5 | 53.5 | 53.5 |
| 80° | 41.8 | 41.4 | 41.8 | 42.2 |
| 82.5° | 30.8 | 30.8 | 30.4 | 30.0 |
| 85° | 19.9 | 19.5 | 19.5 | 19.5 |
| 87.5° | 9.7 | 9.7 | 9.7 | 9.7 |
| 90° | 13.0 | 13.2 | 13.4 | 13.6 |
| 92.5° | 15.1 | 15.2 | 15.3 | 15.4 |
| 95° | 17.2 | 17.2 | 17.2 | 17.2 |
| 97.5° | 18.2 | 18.3 | 18.4 | 18.5 |
| 100° | 18.7 | 18.8 | 18.9 | 19.0 |
| 102.5° | 18.8 | 19.0 | 19.2 | 19.4 |
| 105° | 19.3 | 19.5 | 19.7 | 19.9 |
| 107.5° | 86.4 | 73.3 | 60.1 | 47.0 |
| 110° | 167.3 | 153.0 | 138.6 | 124.3 |



TEST NUMBER: P832398

CATALOG NUMBER: S123RDIP-S775D585U927-4F0-1E-UDD-G

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|--------|-------|-------|-------|-------|
| 112.5° | 236.0 | 235.8 | 235.6 | 235.4 |
| 115° | 264.5 | 264.9 | 265.3 | 265.7 |
| 117.5° | 289.8 | 289.9 | 290.0 | 290.1 |
| 120° | 315.4 | 315.4 | 315.4 | 315.4 |
| 122.5° | 339.9 | 340.0 | 340.1 | 340.2 |
| 125° | 362.7 | 362.9 | 363.1 | 363.3 |
| 127.5° | 386.5 | 386.3 | 386.1 | 385.9 |
| 130° | 408.1 | 407.9 | 407.7 | 407.5 |
| 132.5° | 428.3 | 428.0 | 427.7 | 427.4 |
| 135° | 448.7 | 448.4 | 448.1 | 447.8 |
| 137.5° | 467.8 | 467.6 | 467.4 | 467.2 |
| 140° | 485.0 | 484.8 | 484.6 | 484.4 |
| 142.5° | 501.1 | 500.8 | 500.5 | 500.2 |
| 145° | 516.4 | 516.4 | 516.4 | 516.4 |
| 147.5° | 529.7 | 529.2 | 528.7 | 528.2 |
| 150° | 542.6 | 542.3 | 542.0 | 541.7 |
| 152.5° | 554.1 | 553.6 | 553.1 | 552.6 |
| 155° | 564.3 | 563.7 | 563.1 | 562.5 |
| 157.5° | 573.5 | 572.7 | 571.9 | 571.1 |
| 160° | 581.3 | 580.6 | 579.9 | 579.2 |
| 162.5° | 588.7 | 588.1 | 587.5 | 586.9 |
| 165° | 594.9 | 594.2 | 593.5 | 592.8 |
| 167.5° | 599.7 | 598.9 | 598.1 | 597.3 |
| 170° | 603.8 | 603.0 | 602.2 | 601.4 |
| 172.5° | 606.3 | 605.4 | 604.5 | 603.6 |
| 175° | 608.3 | 607.5 | 606.7 | 605.9 |
| 177.5° | 609.4 | 608.4 | 607.4 | 606.3 |
| 180° | 608.2 | 608.2 | 608.2 | 608.2 |



TEST NUMBER: P832398

CATALOG NUMBER: S123RDIP-S775D585U927-4F0-1E-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 | 12.14 | 13.02 | 13.04 | 13.92 | 15.07 | 16.81 | 17.69 | 17.70 | 18.59 | 19.74 |
| | 3H | 13.37 | 14.15 | 14.27 | 15.07 | 16.24 | 18.31 | 19.10 | 19.22 | 20.01 | 21.18 |
| | 4H | 13.75 | 14.49 | 14.67 | 15.41 | 16.59 | 18.80 | 19.54 | 19.72 | 20.46 | 21.64 |
| | 6H | 14.04 | 14.72 | 14.97 | 15.64 | 16.84 | 19.12 | 19.80 | 20.05 | 20.72 | 21.92 |
| | 8H | 14.12 | 14.77 | 15.06 | 15.71 | 16.91 | 19.20 | 19.84 | 20.14 | 20.79 | 21.98 |
| | 12H | 14.18 | 14.79 | 15.12 | 15.73 | 16.95 | 19.23 | 19.85 | 20.17 | 20.78 | 22.00 |
| 4H | 2H | 12.87 | 13.61 | 13.80 | 14.53 | 15.71 | 16.81 | 17.55 | 17.73 | 18.47 | 19.65 |
| | 3H | 14.25 | 14.86 | 15.18 | 15.81 | 17.01 | 18.47 | 19.09 | 19.41 | 20.03 | 21.23 |
| | 4H | 14.70 | 15.26 | 15.65 | 16.21 | 17.43 | 19.08 | 19.64 | 20.02 | 20.58 | 21.81 |
| | 6H | 15.07 | 15.55 | 16.03 | 16.52 | 17.75 | 19.52 | 20.00 | 20.48 | 20.97 | 22.19 |
| | 8H | 15.20 | 15.65 | 16.16 | 16.61 | 17.85 | 19.65 | 20.10 | 20.61 | 21.06 | 22.30 |
| | 12H | 15.28 | 15.68 | 16.25 | 16.66 | 17.90 | 19.72 | 20.12 | 20.69 | 21.10 | 22.34 |
| 8H | 4H | 15.02 | 15.47 | 15.98 | 16.43 | 17.67 | 19.05 | 19.50 | 20.01 | 20.46 | 21.70 |
| | 6H | 15.49 | 15.86 | 16.47 | 16.86 | 18.09 | 19.55 | 19.92 | 20.53 | 20.92 | 22.16 |
| | 8H | 15.68 | 16.00 | 16.67 | 17.00 | 18.25 | 19.73 | 20.06 | 20.73 | 21.05 | 22.31 |
| | 12H | 15.82 | 16.11 | 16.82 | 17.09 | 18.39 | 19.85 | 20.14 | 20.85 | 21.12 | 22.42 |
| 12H | 4H | 15.03 | 15.44 | 16.01 | 16.42 | 17.66 | 19.00 | 19.41 | 19.98 | 20.38 | 21.63 |
| | 6H | 15.54 | 15.87 | 16.54 | 16.86 | 18.12 | 19.52 | 19.85 | 20.52 | 20.84 | 22.09 |
| | 8H | 15.76 | 16.05 | 16.76 | 17.04 | 18.34 | 19.72 | 20.00 | 20.71 | 20.99 | 22.29 |