

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: P1004902

Luminaire Tested: S125R3DR-B850DB2750-4F0-XX-W2A-A\_3000K

Issue Date: 5/2/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1004902  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/2/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S125R3DR-B850DB2750-4F0-XX-W2A-A\_3000K  
Description: Define 5 3in Regressed Direct Recessed with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647  
Light Source: -  
Ballast/Driver: -

**Summary**

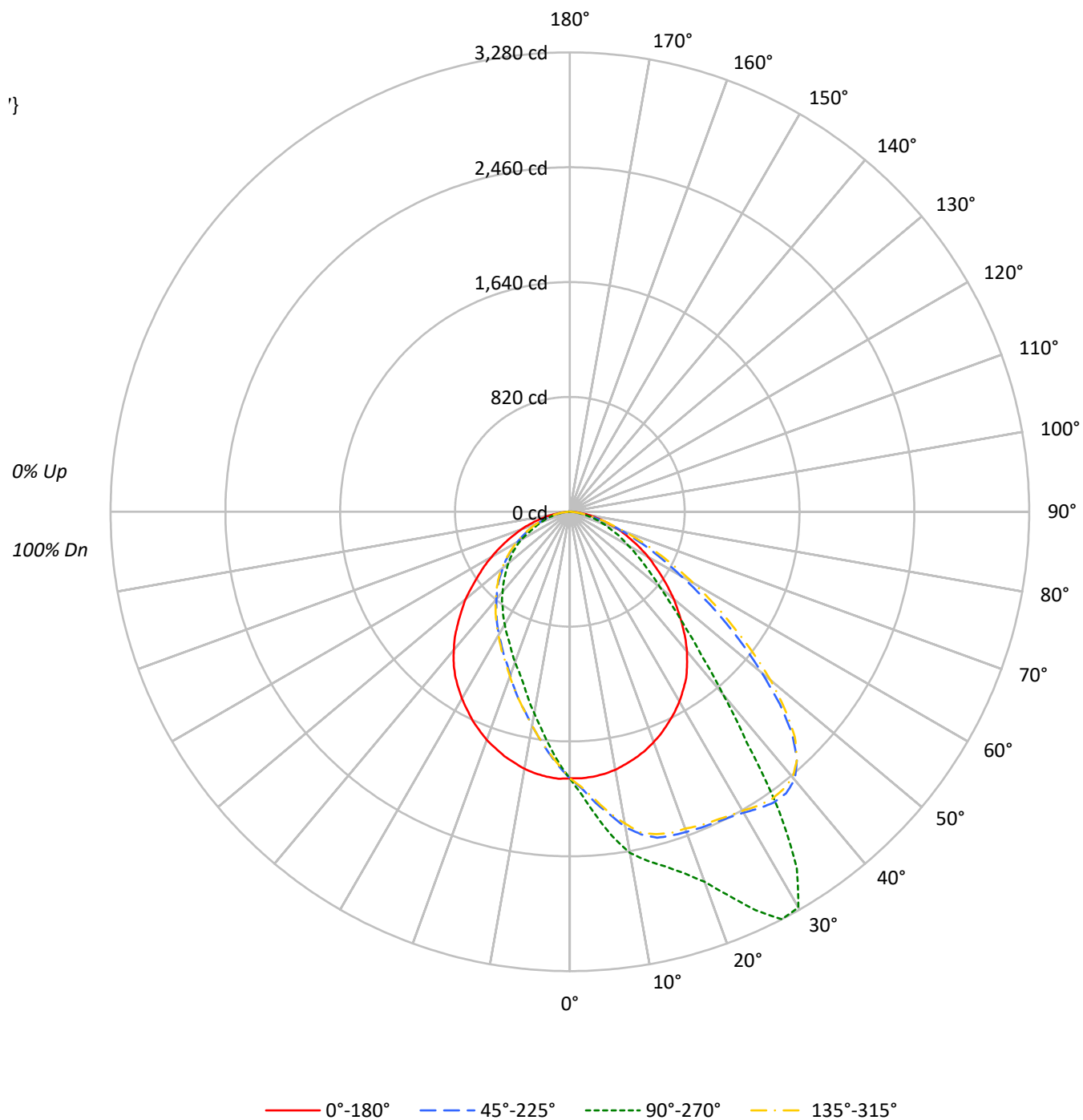
Lumens per Lamp: N/A  
Luminaire Lumens: 4931.0 lumens  
Efficiency: N/A  
Efficacy: 80.4 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 61.3  
Input Voltage (V):  
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: P1004902

CATALOG NUMBER: S125R3DR-B850DB2750-4F0-XX-W2A-A\_3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P1004902

CATALOG NUMBER: S125R3DR-B850DB2750-4F0-XX-W2A-A\_3000K

### COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|---|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |  |  |   |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |  |  | 0 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |  |  |   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |   |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |  |  |   |
| 1   | 110 | 106 | 102 | 98  | 107 | 103 | 100 | 97  | 99  | 96  | 94  | 95  | 93  | 91  | 92  | 90  | 88  | 86  |  |  |   |
| 2   | 101 | 93  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 83  | 79  | 85  | 81  | 77  | 82  | 78  | 75  | 73  |  |  |   |
| 3   | 92  | 83  | 75  | 69  | 90  | 81  | 74  | 69  | 78  | 72  | 67  | 76  | 70  | 66  | 73  | 69  | 65  | 63  |  |  |   |
| 4   | 85  | 74  | 66  | 59  | 83  | 73  | 65  | 59  | 70  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 57  | 55  |  |  |   |
| 5   | 79  | 66  | 58  | 52  | 77  | 65  | 57  | 51  | 63  | 56  | 51  | 61  | 55  | 50  | 60  | 54  | 50  | 48  |  |  |   |
| 6   | 73  | 60  | 52  | 45  | 71  | 59  | 51  | 45  | 57  | 50  | 45  | 56  | 49  | 44  | 54  | 49  | 44  | 42  |  |  |   |
| 7   | 68  | 55  | 46  | 40  | 66  | 54  | 46  | 40  | 52  | 45  | 40  | 51  | 44  | 40  | 50  | 44  | 39  | 37  |  |  |   |
| 8   | 63  | 50  | 42  | 36  | 61  | 49  | 42  | 36  | 48  | 41  | 36  | 47  | 40  | 36  | 46  | 40  | 35  | 34  |  |  |   |
| 9   | 59  | 46  | 38  | 33  | 58  | 45  | 38  | 33  | 44  | 37  | 32  | 43  | 37  | 32  | 42  | 36  | 32  | 30  |  |  |   |
| 10  | 55  | 42  | 35  | 30  | 54  | 42  | 35  | 30  | 41  | 34  | 30  | 40  | 34  | 29  | 39  | 33  | 29  | 28  |  |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 12195 | 12195 | 12195 | 12195 |
| 5°  | 12211 | 14030 | 12211 | 10784 |
| 10° | 12169 | 16093 | 12128 | 9516  |
| 15° | 12065 | 17382 | 11982 | 8458  |
| 20° | 11933 | 19168 | 11826 | 7810  |
| 25° | 11754 | 22183 | 11621 | 7247  |
| 30° | 11572 | 24139 | 11399 | 6879  |
| 35° | 11330 | 20362 | 11171 | 6539  |
| 40° | 10874 | 14219 | 10783 | 6247  |
| 45° | 10265 | 10549 | 10251 | 5961  |
| 50° | 9642  | 8411  | 9689  | 5716  |
| 55° | 8937  | 7139  | 8920  | 5498  |
| 60° | 8289  | 6167  | 8250  | 5146  |
| 65° | 7533  | 5496  | 7580  | 4430  |
| 70° | 6937  | 4829  | 6909  | 4039  |
| 75° | 5996  | 4179  | 5996  | 3790  |
| 80° | 5073  | 3169  | 5014  | 3169  |
| 85° | 4021  | 2639  | 3904  | 2985  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $135^\circ$

Vertical Angle:  $45^\circ$

Luminance: 20587 cd/sqm

TEST NUMBER: P1004902

CATALOG NUMBER: S125R3DR-B850DB2750-4F0-XX-W2A-A\_3000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 182.5  | 3.7       |
| 10°-20°   | 535.1  | 10.9      |
| 20°-30°   | 848.4  | 17.2      |
| 30°-40°   | 1025.2 | 20.8      |
| 40°-50°   | 912.8  | 18.5      |
| 50°-60°   | 699.9  | 14.2      |
| 60°-70°   | 454.6  | 9.2       |
| 70°-80°   | 220.6  | 4.5       |
| 80°-90°   | 51.9   | 1.1       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 1566.0 | 31.8      |
| 0°-40°    | 2591.2 | 52.5      |
| 0°-60°    | 4203.9 | 85.3      |
| 0°-90°    | 4931.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4931.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1903 | 1903 | 1903 | 1903 | 1903 |      |
| 5°  | 1899 | 2181 | 1899 | 1677 | 1899 | 180  |
| 15° | 1819 | 2620 | 1806 | 1275 | 1819 | 513  |
| 25° | 1663 | 3138 | 1644 | 1025 | 1663 | 766  |
| 35° | 1449 | 2603 | 1428 | 836  | 1449 | 902  |
| 45° | 1133 | 1164 | 1131 | 658  | 1133 | 874  |
| 55° | 800  | 639  | 798  | 492  | 800  | 717  |
| 65° | 497  | 362  | 500  | 292  | 497  | 497  |
| 75° | 242  | 169  | 242  | 153  | 242  | 260  |
| 85° | 55   | 36   | 53   | 41   | 55   | 66   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

TEST NUMBER: P1004902

CATALOG NUMBER: S125R3DR-B850DB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 |
| 2.5°  | 1904.8 | 1920.5 | 1925.2 | 1937.7 | 1951.7 | 1954.8 | 1962.7 | 1973.6 | 1979.8 | 1978.3 | 1978.3 |
| 5°    | 1898.6 | 1925.2 | 1943.9 | 1965.8 | 1992.3 | 2003.3 | 2012.7 | 2036.1 | 2054.9 | 2065.8 | 2084.5 |
| 7.5°  | 1887.7 | 1926.7 | 1958.0 | 1990.8 | 2031.4 | 2050.2 | 2070.5 | 2103.3 | 2137.7 | 2159.5 | 2179.9 |
| 10°   | 1870.5 | 1920.5 | 1964.2 | 2012.7 | 2067.4 | 2095.5 | 2120.5 | 2170.5 | 2212.7 | 2240.8 | 2287.7 |
| 12.5° | 1845.5 | 1908.0 | 1968.9 | 2033.0 | 2101.7 | 2131.4 | 2165.8 | 2220.5 | 2279.9 | 2320.5 | 2359.6 |
| 15°   | 1818.9 | 1893.9 | 1959.5 | 2036.1 | 2118.9 | 2164.2 | 2208.0 | 2265.8 | 2318.9 | 2364.3 | 2409.6 |
| 17.5° | 1787.6 | 1867.3 | 1948.6 | 2036.1 | 2129.9 | 2175.2 | 2212.7 | 2281.4 | 2337.7 | 2383.0 | 2423.6 |
| 20°   | 1750.1 | 1839.2 | 1931.4 | 2028.3 | 2123.6 | 2165.8 | 2201.7 | 2276.7 | 2326.7 | 2375.2 | 2433.0 |
| 22.5° | 1709.5 | 1806.4 | 1904.8 | 2000.2 | 2093.9 | 2139.2 | 2181.4 | 2247.1 | 2301.7 | 2367.4 | 2442.4 |
| 25°   | 1662.6 | 1768.9 | 1868.9 | 1964.2 | 2053.3 | 2095.5 | 2133.0 | 2204.9 | 2281.4 | 2364.3 | 2448.6 |
| 27.5° | 1615.8 | 1718.9 | 1815.8 | 1903.3 | 2000.2 | 2039.2 | 2076.7 | 2167.4 | 2258.0 | 2345.5 | 2461.1 |
| 30°   | 1564.2 | 1668.9 | 1753.3 | 1834.5 | 1928.3 | 1968.9 | 2015.8 | 2118.9 | 2222.1 | 2340.8 | 2481.4 |
| 32.5° | 1506.4 | 1601.7 | 1679.8 | 1764.2 | 1848.6 | 1898.6 | 1958.0 | 2070.5 | 2189.2 | 2331.4 | 2511.1 |
| 35°   | 1448.6 | 1525.1 | 1597.0 | 1676.7 | 1778.3 | 1831.4 | 1889.2 | 2008.0 | 2156.4 | 2326.7 | 2536.1 |
| 37.5° | 1375.1 | 1448.6 | 1504.8 | 1586.1 | 1690.8 | 1753.3 | 1811.1 | 1948.6 | 2117.4 | 2315.8 | 2534.6 |
| 40°   | 1300.1 | 1362.6 | 1415.7 | 1500.1 | 1614.2 | 1672.0 | 1734.5 | 1884.5 | 2076.7 | 2284.6 | 2497.1 |
| 42.5° | 1218.8 | 1272.0 | 1329.8 | 1411.1 | 1522.0 | 1578.3 | 1650.1 | 1825.1 | 2020.5 | 2240.8 | 2400.2 |
| 45°   | 1132.9 | 1184.5 | 1232.9 | 1317.3 | 1428.2 | 1489.2 | 1567.3 | 1747.0 | 1951.7 | 2148.6 | 2243.9 |
| 47.5° | 1048.5 | 1093.8 | 1145.4 | 1218.8 | 1331.4 | 1398.5 | 1478.2 | 1670.4 | 1859.5 | 2025.2 | 2033.0 |
| 50°   | 967.3  | 1003.2 | 1047.0 | 1122.0 | 1239.2 | 1303.2 | 1386.0 | 1565.8 | 1750.1 | 1864.2 | 1787.6 |
| 52.5° | 882.9  | 915.7  | 961.0  | 1026.6 | 1136.0 | 1211.0 | 1282.9 | 1462.6 | 1617.3 | 1693.9 | 1553.2 |
| 55°   | 800.1  | 828.2  | 875.1  | 948.5  | 1043.8 | 1101.7 | 1175.1 | 1342.3 | 1478.2 | 1479.8 | 1326.7 |
| 57.5° | 718.8  | 743.8  | 782.9  | 848.5  | 937.6  | 1004.8 | 1072.0 | 1217.3 | 1309.5 | 1282.9 | 1112.6 |
| 60°   | 646.9  | 662.6  | 698.5  | 762.6  | 845.4  | 893.8  | 965.7  | 1087.6 | 1148.5 | 1100.1 | 917.3  |
| 62.5° | 571.9  | 587.5  | 615.7  | 667.2  | 745.4  | 796.9  | 842.3  | 942.3  | 984.5  | 911.0  | 761.0  |
| 65°   | 496.9  | 515.7  | 536.0  | 576.6  | 650.1  | 684.4  | 725.1  | 798.5  | 839.1  | 753.2  | 623.5  |
| 67.5° | 431.3  | 440.7  | 461.0  | 503.2  | 554.7  | 586.0  | 614.1  | 664.1  | 671.9  | 603.2  | 496.9  |
| 70°   | 370.3  | 373.5  | 392.2  | 417.2  | 456.3  | 475.0  | 498.5  | 528.2  | 528.2  | 471.9  | 387.5  |
| 72.5° | 301.6  | 306.3  | 320.3  | 346.9  | 370.3  | 379.7  | 387.5  | 406.3  | 403.2  | 351.6  | 293.8  |
| 75°   | 242.2  | 245.3  | 256.3  | 268.8  | 278.1  | 295.3  | 301.6  | 298.5  | 296.9  | 253.1  | 220.3  |
| 77.5° | 187.5  | 189.1  | 196.9  | 207.8  | 209.4  | 215.6  | 211.0  | 211.0  | 196.9  | 171.9  | 154.7  |
| 80°   | 137.5  | 139.1  | 142.2  | 145.3  | 145.3  | 145.3  | 145.3  | 137.5  | 128.1  | 112.5  | 107.8  |
| 82.5° | 92.2   | 92.2   | 93.8   | 96.9   | 95.3   | 92.2   | 89.1   | 81.3   | 75.0   | 70.3   | 67.2   |
| 85°   | 54.7   | 54.7   | 56.3   | 54.7   | 48.4   | 46.9   | 43.8   | 42.2   | 40.6   | 39.1   | 39.1   |
| 87.5° | 26.6   | 25.0   | 21.9   | 18.8   | 18.8   | 18.8   | 18.8   | 18.8   | 18.8   | 17.2   | 17.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1004902

CATALOG NUMBER: S125R3DR-B850DB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 |
| 2.5°  | 1986.1 | 1997.0 | 2006.4 | 2001.7 | 2020.5 | 2018.9 | 2022.0 | 2028.3 | 2029.9 | 2026.7 | 2020.5 |
| 5°    | 2093.9 | 2109.5 | 2136.1 | 2150.2 | 2147.0 | 2159.5 | 2165.8 | 2175.2 | 2184.5 | 2181.4 | 2181.4 |
| 7.5°  | 2214.2 | 2236.1 | 2262.7 | 2298.6 | 2303.3 | 2314.2 | 2333.0 | 2333.0 | 2343.9 | 2339.2 | 2337.7 |
| 10°   | 2318.9 | 2345.5 | 2387.7 | 2415.8 | 2428.3 | 2434.6 | 2453.3 | 2459.6 | 2472.1 | 2473.6 | 2473.6 |
| 12.5° | 2404.9 | 2451.8 | 2479.9 | 2508.0 | 2514.3 | 2523.6 | 2537.7 | 2547.1 | 2551.8 | 2551.8 | 2547.1 |
| 15°   | 2450.2 | 2487.7 | 2520.5 | 2550.2 | 2567.4 | 2575.2 | 2589.3 | 2600.2 | 2606.5 | 2620.5 | 2623.6 |
| 17.5° | 2468.9 | 2514.3 | 2567.4 | 2609.6 | 2639.3 | 2647.1 | 2675.2 | 2684.6 | 2697.1 | 2703.3 | 2711.2 |
| 20°   | 2495.5 | 2561.1 | 2625.2 | 2676.8 | 2704.9 | 2725.2 | 2754.9 | 2798.7 | 2811.2 | 2811.2 | 2806.5 |
| 22.5° | 2519.0 | 2603.3 | 2690.8 | 2773.7 | 2797.1 | 2837.7 | 2892.4 | 2939.3 | 2958.0 | 2965.9 | 2959.6 |
| 25°   | 2547.1 | 2662.7 | 2776.8 | 2879.9 | 2944.0 | 2973.7 | 3047.1 | 3103.4 | 3125.3 | 3137.8 | 3140.9 |
| 27.5° | 2595.5 | 2740.8 | 2886.2 | 3017.4 | 3083.1 | 3117.4 | 3194.0 | 3242.4 | 3269.0 | 3280.0 | 3272.1 |
| 30°   | 2650.2 | 2828.4 | 2997.1 | 3114.3 | 3158.1 | 3200.3 | 3250.3 | 3269.0 | 3262.8 | 3262.8 | 3286.2 |
| 32.5° | 2706.5 | 2890.9 | 3040.9 | 3117.4 | 3133.1 | 3126.8 | 3106.5 | 3050.2 | 3017.4 | 3017.4 | 3037.7 |
| 35°   | 2737.7 | 2897.1 | 2973.7 | 2948.7 | 2887.7 | 2851.8 | 2740.8 | 2678.3 | 2608.0 | 2603.3 | 2626.8 |
| 37.5° | 2720.5 | 2789.3 | 2758.0 | 2594.0 | 2511.1 | 2442.4 | 2268.9 | 2200.2 | 2148.6 | 2076.7 | 2187.7 |
| 40°   | 2600.2 | 2576.8 | 2414.3 | 2178.3 | 2086.1 | 1989.2 | 1851.7 | 1783.0 | 1711.1 | 1700.1 | 1726.7 |
| 42.5° | 2397.1 | 2258.0 | 2020.5 | 1792.3 | 1698.6 | 1629.8 | 1525.1 | 1457.9 | 1412.6 | 1393.9 | 1425.1 |
| 45°   | 2143.9 | 1925.2 | 1687.6 | 1506.4 | 1403.2 | 1367.3 | 1272.0 | 1212.6 | 1178.2 | 1164.2 | 1186.0 |
| 47.5° | 1834.5 | 1614.2 | 1389.2 | 1236.0 | 1175.1 | 1139.2 | 1075.1 | 1023.5 | 993.8  | 984.5  | 993.8  |
| 50°   | 1557.9 | 1331.4 | 1142.3 | 1043.8 | 989.1  | 959.5  | 906.3  | 873.5  | 850.1  | 843.8  | 859.4  |
| 52.5° | 1318.9 | 1112.6 | 968.8  | 881.3  | 845.4  | 820.4  | 782.9  | 754.7  | 740.7  | 734.4  | 745.4  |
| 55°   | 1104.8 | 937.6  | 821.9  | 746.9  | 720.4  | 704.7  | 671.9  | 656.3  | 640.7  | 639.1  | 650.1  |
| 57.5° | 915.7  | 800.1  | 693.8  | 640.7  | 632.9  | 609.4  | 581.3  | 567.2  | 559.4  | 557.9  | 562.5  |
| 60°   | 762.6  | 659.4  | 595.4  | 548.5  | 537.5  | 518.8  | 503.2  | 493.8  | 484.4  | 481.3  | 484.4  |
| 62.5° | 634.4  | 553.2  | 501.6  | 470.4  | 454.7  | 450.0  | 432.8  | 421.9  | 420.3  | 420.3  | 423.5  |
| 65°   | 523.5  | 454.7  | 421.9  | 396.9  | 386.0  | 381.3  | 368.8  | 361.0  | 362.5  | 362.5  | 364.1  |
| 67.5° | 426.6  | 376.6  | 346.9  | 334.4  | 325.0  | 323.5  | 311.0  | 307.8  | 304.7  | 304.7  | 307.8  |
| 70°   | 339.1  | 307.8  | 286.0  | 279.7  | 278.1  | 267.2  | 262.5  | 261.0  | 256.3  | 257.8  | 257.8  |
| 72.5° | 265.6  | 245.3  | 232.8  | 223.5  | 225.0  | 218.8  | 212.5  | 212.5  | 209.4  | 214.1  | 214.1  |
| 75°   | 196.9  | 187.5  | 178.1  | 175.0  | 178.1  | 175.0  | 170.3  | 168.8  | 170.3  | 168.8  | 168.8  |
| 77.5° | 145.3  | 140.6  | 137.5  | 135.9  | 135.9  | 129.7  | 126.6  | 129.7  | 123.4  | 126.6  | 126.6  |
| 80°   | 101.6  | 95.3   | 93.8   | 90.6   | 92.2   | 87.5   | 89.1   | 85.9   | 85.9   | 85.9   | 85.9   |
| 82.5° | 64.1   | 62.5   | 62.5   | 62.5   | 60.9   | 60.9   | 60.9   | 60.9   | 60.9   | 60.9   | 59.4   |
| 85°   | 39.1   | 37.5   | 37.5   | 37.5   | 35.9   | 35.9   | 35.9   | 35.9   | 35.9   | 35.9   | 35.9   |
| 87.5° | 15.6   | 17.2   | 17.2   | 18.8   | 17.2   | 15.6   | 15.6   | 15.6   | 17.2   | 17.2   | 15.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1004902

CATALOG NUMBER: S125R3DR-B850DB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 |
| 2.5°  | 2028.3 | 2017.3 | 2022.0 | 2017.3 | 2012.7 | 2008.0 | 1997.0 | 1981.4 | 1968.9 | 1959.5 | 1958.0 |
| 5°    | 2184.5 | 2170.5 | 2161.1 | 2156.4 | 2147.0 | 2134.5 | 2114.2 | 2090.8 | 2062.7 | 2051.7 | 2029.9 |
| 7.5°  | 2328.3 | 2323.6 | 2301.7 | 2298.6 | 2292.4 | 2268.9 | 2234.6 | 2203.3 | 2167.4 | 2137.7 | 2109.5 |
| 10°   | 2464.3 | 2453.3 | 2437.7 | 2415.8 | 2412.7 | 2383.0 | 2350.2 | 2306.4 | 2259.6 | 2231.4 | 2181.4 |
| 12.5° | 2548.6 | 2536.1 | 2519.0 | 2504.9 | 2497.1 | 2478.3 | 2433.0 | 2389.3 | 2347.1 | 2295.5 | 2251.7 |
| 15°   | 2609.6 | 2594.0 | 2562.7 | 2551.8 | 2542.4 | 2517.4 | 2484.6 | 2439.3 | 2383.0 | 2347.1 | 2284.6 |
| 17.5° | 2692.4 | 2673.7 | 2642.4 | 2622.1 | 2604.9 | 2565.8 | 2519.0 | 2458.0 | 2404.9 | 2364.3 | 2308.0 |
| 20°   | 2787.7 | 2759.6 | 2719.0 | 2692.4 | 2667.4 | 2622.1 | 2556.5 | 2484.6 | 2408.0 | 2358.0 | 2300.2 |
| 22.5° | 2945.5 | 2892.4 | 2828.4 | 2790.8 | 2756.5 | 2678.3 | 2600.2 | 2511.1 | 2425.2 | 2350.2 | 2279.9 |
| 25°   | 3098.7 | 3045.6 | 2965.9 | 2914.3 | 2861.2 | 2770.5 | 2667.4 | 2544.0 | 2434.6 | 2347.1 | 2254.9 |
| 27.5° | 3240.9 | 3186.2 | 3112.7 | 3050.2 | 2998.7 | 2862.7 | 2726.8 | 2587.7 | 2448.6 | 2328.3 | 2234.6 |
| 30°   | 3273.7 | 3250.3 | 3194.0 | 3139.3 | 3092.4 | 2967.4 | 2809.6 | 2633.0 | 2465.8 | 2311.1 | 2206.4 |
| 32.5° | 3075.2 | 3133.1 | 3147.1 | 3139.3 | 3109.6 | 3020.6 | 2875.2 | 2689.3 | 2490.8 | 2303.3 | 2159.5 |
| 35°   | 2662.7 | 2767.4 | 2875.2 | 2933.0 | 2961.2 | 2973.7 | 2887.7 | 2717.4 | 2508.0 | 2290.8 | 2128.3 |
| 37.5° | 2208.0 | 2309.6 | 2479.9 | 2565.8 | 2661.2 | 2786.2 | 2820.5 | 2711.2 | 2500.2 | 2281.4 | 2078.3 |
| 40°   | 1814.2 | 1943.9 | 2084.5 | 2162.7 | 2245.5 | 2470.5 | 2640.8 | 2628.3 | 2475.2 | 2247.1 | 2039.2 |
| 42.5° | 1476.7 | 1557.9 | 1681.4 | 1767.3 | 1868.9 | 2120.5 | 2348.6 | 2461.1 | 2400.2 | 2204.9 | 1989.2 |
| 45°   | 1231.3 | 1293.9 | 1381.4 | 1468.9 | 1531.4 | 1759.5 | 2029.9 | 2214.2 | 2272.1 | 2129.9 | 1912.7 |
| 47.5° | 1037.6 | 1084.5 | 1161.0 | 1215.7 | 1282.9 | 1462.6 | 1697.0 | 1956.4 | 2078.3 | 2023.6 | 1831.4 |
| 50°   | 889.1  | 926.6  | 987.6  | 1022.0 | 1081.3 | 1236.0 | 1414.2 | 1686.1 | 1870.5 | 1876.7 | 1723.6 |
| 52.5° | 759.4  | 796.9  | 848.5  | 878.2  | 914.1  | 1018.8 | 1198.5 | 1428.2 | 1640.8 | 1718.9 | 1600.1 |
| 55°   | 661.0  | 682.9  | 725.1  | 748.5  | 781.3  | 882.9  | 997.0  | 1192.3 | 1414.2 | 1542.3 | 1467.3 |
| 57.5° | 570.4  | 593.8  | 620.4  | 639.1  | 662.6  | 743.8  | 846.9  | 993.8  | 1214.2 | 1353.2 | 1328.2 |
| 60°   | 496.9  | 511.0  | 536.0  | 550.0  | 571.9  | 625.1  | 696.9  | 843.8  | 1018.8 | 1150.1 | 1164.2 |
| 62.5° | 428.2  | 440.7  | 457.8  | 470.4  | 484.4  | 526.6  | 579.7  | 684.4  | 837.6  | 979.8  | 998.5  |
| 65°   | 368.8  | 379.7  | 389.1  | 400.0  | 411.0  | 437.5  | 482.9  | 564.1  | 682.9  | 815.7  | 856.3  |
| 67.5° | 315.7  | 318.8  | 332.8  | 334.4  | 340.7  | 361.0  | 393.8  | 459.4  | 545.4  | 651.6  | 704.7  |
| 70°   | 264.1  | 270.3  | 273.5  | 278.1  | 284.4  | 298.5  | 325.0  | 359.4  | 423.5  | 509.4  | 559.4  |
| 72.5° | 214.1  | 215.6  | 220.3  | 223.5  | 229.7  | 240.6  | 253.1  | 279.7  | 320.3  | 382.8  | 428.2  |
| 75°   | 170.3  | 171.9  | 175.0  | 176.6  | 181.3  | 184.4  | 190.6  | 209.4  | 237.5  | 275.0  | 307.8  |
| 77.5° | 128.1  | 131.3  | 134.4  | 134.4  | 135.9  | 139.1  | 142.2  | 148.4  | 162.5  | 187.5  | 215.6  |
| 80°   | 87.5   | 89.1   | 89.1   | 90.6   | 89.1   | 93.8   | 98.4   | 106.3  | 112.5  | 120.3  | 134.4  |
| 82.5° | 60.9   | 60.9   | 60.9   | 62.5   | 62.5   | 64.1   | 64.1   | 65.6   | 67.2   | 71.9   | 78.1   |
| 85°   | 37.5   | 37.5   | 39.1   | 35.9   | 37.5   | 39.1   | 39.1   | 37.5   | 39.1   | 40.6   | 42.2   |
| 87.5° | 15.6   | 15.6   | 17.2   | 17.2   | 17.2   | 17.2   | 15.6   | 17.2   | 15.6   | 17.2   | 17.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1004902

CATALOG NUMBER: S125R3DR-B850DB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 |
| 2.5°  | 1953.3 | 1943.9 | 1937.7 | 1936.1 | 1926.7 | 1918.9 | 1909.5 | 1908.0 | 1903.3 | 1890.8 | 1883.0 |
| 5°    | 2014.2 | 1992.3 | 1987.7 | 1973.6 | 1950.2 | 1933.0 | 1911.1 | 1898.6 | 1884.5 | 1861.1 | 1842.3 |
| 7.5°  | 2076.7 | 2047.0 | 2025.2 | 2004.8 | 1972.0 | 1940.8 | 1909.5 | 1884.5 | 1859.5 | 1825.1 | 1797.0 |
| 10°   | 2137.7 | 2092.4 | 2065.8 | 2036.1 | 1990.8 | 1943.9 | 1900.2 | 1864.2 | 1823.6 | 1783.0 | 1742.3 |
| 12.5° | 2193.9 | 2136.1 | 2097.0 | 2054.9 | 1998.6 | 1940.8 | 1884.5 | 1834.5 | 1792.3 | 1737.6 | 1692.3 |
| 15°   | 2228.3 | 2164.2 | 2125.2 | 2084.5 | 2000.2 | 1936.1 | 1870.5 | 1806.4 | 1750.1 | 1692.3 | 1650.1 |
| 17.5° | 2248.6 | 2176.7 | 2133.0 | 2095.5 | 2009.5 | 1922.0 | 1837.6 | 1768.9 | 1707.9 | 1639.2 | 1582.9 |
| 20°   | 2239.2 | 2168.9 | 2128.3 | 2092.4 | 1992.3 | 1904.8 | 1814.2 | 1734.5 | 1657.9 | 1587.6 | 1528.2 |
| 22.5° | 2218.9 | 2145.5 | 2100.2 | 2067.4 | 1978.3 | 1875.2 | 1775.1 | 1689.2 | 1609.5 | 1539.2 | 1472.0 |
| 25°   | 2175.2 | 2103.3 | 2064.2 | 2023.6 | 1936.1 | 1837.6 | 1736.1 | 1643.9 | 1559.5 | 1484.5 | 1409.5 |
| 27.5° | 2136.1 | 2048.6 | 2008.0 | 1972.0 | 1879.8 | 1792.3 | 1692.3 | 1590.8 | 1504.8 | 1426.7 | 1351.7 |
| 30°   | 2090.8 | 1992.3 | 1948.6 | 1900.2 | 1817.3 | 1734.5 | 1634.5 | 1540.7 | 1451.7 | 1368.9 | 1297.0 |
| 32.5° | 2042.4 | 1928.3 | 1878.3 | 1823.6 | 1739.2 | 1661.1 | 1576.7 | 1484.5 | 1395.4 | 1314.2 | 1239.2 |
| 35°   | 1979.8 | 1858.0 | 1800.1 | 1748.6 | 1661.1 | 1582.9 | 1504.8 | 1428.2 | 1339.2 | 1253.2 | 1181.3 |
| 37.5° | 1920.5 | 1786.1 | 1725.1 | 1665.8 | 1573.6 | 1498.6 | 1434.5 | 1362.6 | 1276.7 | 1193.8 | 1125.1 |
| 40°   | 1853.3 | 1698.6 | 1636.1 | 1581.4 | 1486.1 | 1403.2 | 1345.4 | 1289.2 | 1214.2 | 1134.5 | 1059.5 |
| 42.5° | 1792.3 | 1617.3 | 1551.7 | 1495.4 | 1395.4 | 1317.3 | 1262.6 | 1215.7 | 1150.1 | 1076.6 | 1000.1 |
| 45°   | 1707.9 | 1529.8 | 1462.6 | 1403.2 | 1301.7 | 1228.2 | 1172.0 | 1131.3 | 1079.8 | 1011.0 | 942.3  |
| 47.5° | 1629.8 | 1445.4 | 1372.0 | 1300.1 | 1207.9 | 1132.9 | 1081.3 | 1050.1 | 1015.7 | 954.8  | 884.4  |
| 50°   | 1534.5 | 1348.5 | 1273.5 | 1214.2 | 1109.5 | 1045.4 | 993.8  | 972.0  | 940.7  | 882.9  | 826.6  |
| 52.5° | 1431.4 | 1254.8 | 1184.5 | 1112.6 | 1015.7 | 953.2  | 907.9  | 882.9  | 857.9  | 815.7  | 762.6  |
| 55°   | 1311.0 | 1150.1 | 1084.5 | 1020.4 | 923.5  | 865.7  | 825.1  | 798.5  | 784.4  | 745.4  | 706.3  |
| 57.5° | 1195.4 | 1043.8 | 982.9  | 923.5  | 839.1  | 773.5  | 746.9  | 723.5  | 703.2  | 675.1  | 642.2  |
| 60°   | 1078.2 | 940.7  | 875.1  | 821.9  | 748.5  | 689.1  | 667.2  | 643.8  | 628.2  | 606.3  | 582.9  |
| 62.5° | 943.8  | 826.6  | 776.6  | 726.6  | 664.1  | 617.2  | 592.2  | 573.5  | 553.2  | 539.1  | 518.8  |
| 65°   | 801.6  | 718.8  | 670.4  | 632.9  | 573.5  | 531.3  | 512.5  | 500.0  | 482.9  | 468.8  | 453.2  |
| 67.5° | 668.8  | 603.2  | 582.9  | 542.2  | 496.9  | 459.4  | 445.3  | 429.7  | 415.7  | 407.8  | 393.8  |
| 70°   | 540.7  | 493.8  | 473.5  | 462.5  | 412.5  | 387.5  | 375.0  | 368.8  | 351.6  | 343.8  | 334.4  |
| 72.5° | 418.8  | 401.6  | 387.5  | 373.5  | 340.7  | 325.0  | 311.0  | 304.7  | 292.2  | 286.0  | 282.8  |
| 75°   | 309.4  | 298.5  | 290.6  | 289.1  | 275.0  | 259.4  | 245.3  | 242.2  | 232.8  | 226.6  | 223.5  |
| 77.5° | 217.2  | 214.1  | 212.5  | 214.1  | 204.7  | 195.3  | 192.2  | 189.1  | 178.1  | 176.6  | 176.6  |
| 80°   | 142.2  | 150.0  | 150.0  | 148.4  | 145.3  | 143.8  | 139.1  | 135.9  | 129.7  | 128.1  | 129.7  |
| 82.5° | 87.5   | 92.2   | 93.8   | 96.9   | 95.3   | 93.8   | 90.6   | 89.1   | 90.6   | 87.5   | 89.1   |
| 85°   | 43.8   | 46.9   | 53.1   | 53.1   | 54.7   | 54.7   | 54.7   | 53.1   | 50.0   | 51.6   | 50.0   |
| 87.5° | 17.2   | 18.8   | 18.8   | 18.8   | 17.2   | 21.9   | 23.4   | 23.4   | 23.4   | 20.3   | 20.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1004902

CATALOG NUMBER: S125R3DR-B850DB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 |
| 2.5°  | 1878.3 | 1872.0 | 1867.3 | 1862.6 | 1842.3 | 1820.5 | 1817.3 | 1812.6 | 1803.3 | 1814.2 | 1809.5 |
| 5°    | 1829.8 | 1815.8 | 1808.0 | 1787.6 | 1762.6 | 1743.9 | 1728.3 | 1709.5 | 1701.7 | 1695.4 | 1693.9 |
| 7.5°  | 1770.5 | 1758.0 | 1743.9 | 1723.6 | 1692.3 | 1661.1 | 1637.6 | 1618.9 | 1603.3 | 1595.4 | 1595.4 |
| 10°   | 1712.6 | 1697.0 | 1678.3 | 1643.9 | 1614.2 | 1575.1 | 1550.1 | 1531.4 | 1509.5 | 1497.0 | 1486.1 |
| 12.5° | 1653.3 | 1636.1 | 1618.9 | 1575.1 | 1540.7 | 1500.1 | 1464.2 | 1440.7 | 1429.8 | 1415.7 | 1397.0 |
| 15°   | 1593.9 | 1567.3 | 1550.1 | 1506.4 | 1462.6 | 1422.0 | 1398.5 | 1373.5 | 1348.5 | 1334.5 | 1328.2 |
| 17.5° | 1531.4 | 1512.6 | 1484.5 | 1437.6 | 1389.2 | 1353.2 | 1318.9 | 1295.4 | 1265.7 | 1251.7 | 1237.6 |
| 20°   | 1475.1 | 1447.0 | 1418.9 | 1372.0 | 1325.1 | 1276.7 | 1242.3 | 1214.2 | 1195.4 | 1184.5 | 1172.0 |
| 22.5° | 1407.9 | 1381.4 | 1357.9 | 1307.9 | 1256.4 | 1211.0 | 1173.5 | 1156.3 | 1137.6 | 1120.4 | 1107.9 |
| 25°   | 1350.1 | 1323.5 | 1300.1 | 1245.4 | 1189.2 | 1147.0 | 1118.8 | 1097.0 | 1076.6 | 1068.8 | 1056.3 |
| 27.5° | 1289.2 | 1264.2 | 1232.9 | 1178.2 | 1128.2 | 1092.3 | 1062.6 | 1042.3 | 1026.6 | 1011.0 | 1001.6 |
| 30°   | 1231.3 | 1203.2 | 1175.1 | 1115.7 | 1075.1 | 1039.1 | 1011.0 | 986.0  | 973.5  | 965.7  | 950.1  |
| 32.5° | 1175.1 | 1139.2 | 1115.7 | 1061.0 | 1022.0 | 987.6  | 964.1  | 942.3  | 926.6  | 912.6  | 900.1  |
| 35°   | 1114.2 | 1075.1 | 1051.6 | 1006.3 | 965.7  | 931.3  | 911.0  | 895.4  | 876.6  | 864.1  | 857.9  |
| 37.5° | 1056.3 | 1023.5 | 1000.1 | 953.2  | 912.6  | 884.4  | 862.6  | 842.3  | 834.4  | 817.3  | 814.1  |
| 40°   | 993.8  | 965.7  | 943.8  | 898.5  | 861.0  | 839.1  | 815.7  | 796.9  | 782.9  | 775.1  | 764.1  |
| 42.5° | 937.6  | 914.1  | 890.7  | 848.5  | 812.6  | 786.0  | 768.8  | 751.6  | 739.1  | 726.6  | 718.8  |
| 45°   | 886.0  | 861.0  | 839.1  | 798.5  | 762.6  | 739.1  | 721.9  | 701.6  | 698.5  | 681.3  | 673.5  |
| 47.5° | 831.3  | 809.4  | 790.7  | 748.5  | 715.7  | 692.2  | 671.9  | 657.9  | 643.8  | 637.6  | 626.6  |
| 50°   | 778.2  | 756.3  | 734.4  | 696.9  | 667.2  | 643.8  | 623.5  | 607.9  | 600.0  | 590.7  | 581.3  |
| 52.5° | 720.4  | 703.2  | 686.0  | 646.9  | 617.2  | 596.9  | 579.7  | 559.4  | 551.6  | 543.8  | 537.5  |
| 55°   | 671.9  | 646.9  | 628.2  | 595.4  | 568.8  | 546.9  | 528.2  | 512.5  | 504.7  | 498.5  | 490.7  |
| 57.5° | 606.3  | 590.7  | 575.0  | 545.4  | 520.4  | 498.5  | 479.7  | 467.2  | 457.8  | 453.2  | 454.7  |
| 60°   | 550.0  | 532.9  | 523.5  | 492.2  | 467.2  | 450.0  | 432.8  | 420.3  | 411.0  | 406.3  | 404.7  |
| 62.5° | 490.7  | 478.2  | 461.0  | 439.1  | 414.1  | 398.5  | 386.0  | 376.6  | 361.0  | 359.4  | 354.7  |
| 65°   | 432.8  | 423.5  | 407.8  | 387.5  | 367.2  | 353.2  | 339.1  | 326.6  | 320.3  | 312.5  | 307.8  |
| 67.5° | 376.6  | 367.2  | 353.2  | 336.0  | 321.9  | 307.8  | 295.3  | 282.8  | 271.9  | 265.6  | 262.5  |
| 70°   | 321.9  | 314.1  | 304.7  | 284.4  | 267.2  | 256.3  | 246.9  | 239.1  | 228.1  | 225.0  | 223.5  |
| 72.5° | 268.8  | 261.0  | 256.3  | 239.1  | 223.5  | 214.1  | 204.7  | 196.9  | 192.2  | 190.6  | 186.0  |
| 75°   | 220.3  | 212.5  | 206.3  | 190.6  | 181.3  | 175.0  | 165.6  | 162.5  | 157.8  | 156.3  | 154.7  |
| 77.5° | 171.9  | 164.1  | 162.5  | 151.6  | 140.6  | 137.5  | 134.4  | 128.1  | 128.1  | 128.1  | 125.0  |
| 80°   | 123.4  | 121.9  | 120.3  | 109.4  | 104.7  | 101.6  | 100.0  | 95.3   | 92.2   | 89.1   | 87.5   |
| 82.5° | 82.8   | 81.3   | 79.7   | 75.0   | 70.3   | 68.8   | 67.2   | 64.1   | 64.1   | 65.6   | 62.5   |
| 85°   | 50.0   | 46.9   | 45.3   | 43.8   | 40.6   | 40.6   | 42.2   | 40.6   | 40.6   | 40.6   | 39.1   |
| 87.5° | 18.8   | 18.8   | 18.8   | 18.8   | 20.3   | 17.2   | 18.8   | 18.8   | 17.2   | 17.2   | 15.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1004902

CATALOG NUMBER: S125R3DR-B850DB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 |
| 2.5°  | 1801.7 | 1804.8 | 1797.0 | 1793.9 | 1787.6 | 1795.5 | 1797.0 | 1795.5 | 1809.5 | 1803.3 | 1806.4 |
| 5°    | 1697.0 | 1690.8 | 1686.1 | 1675.1 | 1675.1 | 1676.7 | 1681.4 | 1673.6 | 1678.3 | 1689.2 | 1687.6 |
| 7.5°  | 1581.4 | 1578.3 | 1579.8 | 1567.3 | 1557.9 | 1561.1 | 1557.9 | 1572.0 | 1579.8 | 1576.7 | 1582.9 |
| 10°   | 1476.7 | 1482.9 | 1468.9 | 1462.6 | 1456.4 | 1462.6 | 1461.1 | 1464.2 | 1473.6 | 1479.8 | 1490.7 |
| 12.5° | 1392.3 | 1390.7 | 1382.9 | 1376.7 | 1365.7 | 1368.9 | 1378.2 | 1375.1 | 1376.7 | 1390.7 | 1389.2 |
| 15°   | 1312.6 | 1303.2 | 1297.0 | 1282.9 | 1286.0 | 1275.1 | 1284.5 | 1295.4 | 1300.1 | 1312.6 | 1320.4 |
| 17.5° | 1232.9 | 1231.3 | 1223.5 | 1222.0 | 1204.8 | 1200.1 | 1209.5 | 1212.6 | 1217.3 | 1223.5 | 1234.5 |
| 20°   | 1165.7 | 1164.2 | 1153.2 | 1150.1 | 1136.0 | 1145.4 | 1142.3 | 1148.5 | 1151.7 | 1164.2 | 1168.8 |
| 22.5° | 1104.8 | 1097.0 | 1093.8 | 1089.1 | 1084.5 | 1082.9 | 1089.1 | 1087.6 | 1098.5 | 1103.2 | 1104.8 |
| 25°   | 1048.5 | 1042.3 | 1040.7 | 1032.9 | 1029.8 | 1025.1 | 1029.8 | 1034.5 | 1047.0 | 1051.6 | 1057.9 |
| 27.5° | 997.0  | 992.3  | 989.1  | 982.9  | 978.2  | 978.2  | 981.3  | 987.6  | 992.3  | 995.4  | 998.5  |
| 30°   | 950.1  | 947.0  | 937.6  | 934.4  | 929.8  | 929.8  | 929.8  | 932.9  | 940.7  | 950.1  | 954.8  |
| 32.5° | 901.6  | 895.4  | 889.1  | 889.1  | 884.4  | 884.4  | 886.0  | 889.1  | 896.9  | 898.5  | 906.3  |
| 35°   | 854.8  | 848.5  | 843.8  | 840.7  | 842.3  | 836.0  | 839.1  | 843.8  | 853.2  | 856.3  | 861.0  |
| 37.5° | 809.4  | 807.9  | 798.5  | 793.8  | 796.9  | 796.9  | 795.4  | 798.5  | 804.8  | 811.0  | 814.1  |
| 40°   | 759.4  | 756.3  | 756.3  | 751.6  | 753.2  | 746.9  | 751.6  | 754.7  | 757.9  | 764.1  | 768.8  |
| 42.5° | 715.7  | 712.6  | 706.3  | 707.9  | 703.2  | 703.2  | 706.3  | 707.9  | 712.6  | 720.4  | 723.5  |
| 45°   | 668.8  | 668.8  | 665.7  | 661.0  | 662.6  | 657.9  | 661.0  | 662.6  | 668.8  | 676.6  | 673.5  |
| 47.5° | 623.5  | 621.9  | 621.9  | 615.7  | 618.8  | 614.1  | 618.8  | 620.4  | 623.5  | 628.2  | 626.6  |
| 50°   | 579.7  | 575.0  | 576.6  | 575.0  | 573.5  | 573.5  | 576.6  | 576.6  | 579.7  | 579.7  | 584.4  |
| 52.5° | 534.4  | 534.4  | 531.3  | 532.9  | 536.0  | 532.9  | 537.5  | 532.9  | 536.0  | 537.5  | 540.7  |
| 55°   | 493.8  | 490.7  | 492.2  | 490.7  | 496.9  | 492.2  | 496.9  | 493.8  | 496.9  | 495.4  | 498.5  |
| 57.5° | 450.0  | 445.3  | 446.9  | 445.3  | 450.0  | 448.5  | 453.2  | 448.5  | 450.0  | 451.6  | 456.3  |
| 60°   | 400.0  | 400.0  | 400.0  | 396.9  | 401.6  | 401.6  | 400.0  | 400.0  | 406.3  | 409.4  | 407.8  |
| 62.5° | 353.2  | 351.6  | 346.9  | 345.3  | 346.9  | 343.8  | 350.0  | 348.5  | 351.6  | 354.7  | 357.8  |
| 65°   | 301.6  | 298.5  | 296.9  | 293.8  | 293.8  | 292.2  | 293.8  | 300.0  | 301.6  | 303.1  | 311.0  |
| 67.5° | 259.4  | 257.8  | 256.3  | 251.6  | 251.6  | 254.7  | 254.7  | 254.7  | 264.1  | 259.4  | 265.6  |
| 70°   | 221.9  | 218.8  | 215.6  | 214.1  | 214.1  | 215.6  | 217.2  | 218.8  | 217.2  | 223.5  | 225.0  |
| 72.5° | 186.0  | 187.5  | 184.4  | 184.4  | 184.4  | 182.8  | 182.8  | 186.0  | 187.5  | 186.0  | 187.5  |
| 75°   | 154.7  | 154.7  | 153.1  | 154.7  | 154.7  | 153.1  | 153.1  | 156.3  | 156.3  | 154.7  | 159.4  |
| 77.5° | 125.0  | 123.4  | 120.3  | 117.2  | 118.8  | 117.2  | 118.8  | 117.2  | 121.9  | 126.6  | 123.4  |
| 80°   | 87.5   | 85.9   | 85.9   | 85.9   | 87.5   | 85.9   | 89.1   | 85.9   | 87.5   | 87.5   | 89.1   |
| 82.5° | 62.5   | 64.1   | 64.1   | 62.5   | 64.1   | 62.5   | 64.1   | 64.1   | 64.1   | 62.5   | 64.1   |
| 85°   | 40.6   | 40.6   | 40.6   | 40.6   | 39.1   | 40.6   | 40.6   | 40.6   | 42.2   | 40.6   | 42.2   |
| 87.5° | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   | 18.8   | 17.2   | 18.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1004902

CATALOG NUMBER: S125R3DR-B850DB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 | 1903.3 |
| 2.5°  | 1800.1 | 1808.0 | 1801.7 | 1797.0 | 1809.5 | 1815.8 | 1815.8 | 1826.7 | 1837.6 | 1847.0 | 1848.6 |
| 5°    | 1689.2 | 1701.7 | 1704.8 | 1703.3 | 1722.0 | 1731.4 | 1751.7 | 1762.6 | 1778.3 | 1789.2 | 1801.7 |
| 7.5°  | 1587.6 | 1604.8 | 1606.4 | 1609.5 | 1637.6 | 1653.3 | 1670.4 | 1698.6 | 1720.5 | 1736.1 | 1750.1 |
| 10°   | 1486.1 | 1497.0 | 1507.9 | 1522.0 | 1550.1 | 1576.7 | 1601.7 | 1631.4 | 1659.5 | 1675.1 | 1695.4 |
| 12.5° | 1409.5 | 1417.3 | 1429.8 | 1439.2 | 1468.9 | 1492.3 | 1525.1 | 1565.8 | 1606.4 | 1618.9 | 1643.9 |
| 15°   | 1329.8 | 1334.5 | 1359.5 | 1368.9 | 1393.9 | 1432.9 | 1453.2 | 1492.3 | 1536.1 | 1559.5 | 1587.6 |
| 17.5° | 1237.6 | 1265.7 | 1281.4 | 1292.3 | 1323.5 | 1354.8 | 1387.6 | 1428.2 | 1484.5 | 1506.4 | 1526.7 |
| 20°   | 1172.0 | 1192.3 | 1209.5 | 1223.5 | 1251.7 | 1298.5 | 1328.2 | 1361.0 | 1414.2 | 1439.2 | 1468.9 |
| 22.5° | 1114.2 | 1131.3 | 1147.0 | 1162.6 | 1181.3 | 1223.5 | 1257.9 | 1303.2 | 1356.4 | 1379.8 | 1414.2 |
| 25°   | 1059.5 | 1076.6 | 1086.0 | 1104.8 | 1129.8 | 1159.5 | 1200.1 | 1240.7 | 1293.9 | 1320.4 | 1353.2 |
| 27.5° | 1006.3 | 1023.5 | 1040.7 | 1056.3 | 1073.5 | 1101.7 | 1129.8 | 1181.3 | 1236.0 | 1267.3 | 1295.4 |
| 30°   | 961.0  | 968.8  | 984.5  | 1001.6 | 1018.8 | 1045.4 | 1078.2 | 1114.2 | 1176.7 | 1204.8 | 1239.2 |
| 32.5° | 911.0  | 925.1  | 936.0  | 948.5  | 970.4  | 992.3  | 1022.0 | 1067.3 | 1117.3 | 1143.8 | 1181.3 |
| 35°   | 864.1  | 876.6  | 884.4  | 906.3  | 920.4  | 943.8  | 973.5  | 1014.1 | 1056.3 | 1086.0 | 1118.8 |
| 37.5° | 818.8  | 831.3  | 840.7  | 853.2  | 871.9  | 892.3  | 923.5  | 953.2  | 1003.2 | 1028.2 | 1065.7 |
| 40°   | 771.9  | 782.9  | 793.8  | 807.9  | 825.1  | 850.1  | 868.8  | 906.3  | 947.0  | 975.1  | 1003.2 |
| 42.5° | 726.6  | 732.9  | 745.4  | 761.0  | 778.2  | 800.1  | 826.6  | 856.3  | 896.9  | 921.9  | 947.0  |
| 45°   | 678.2  | 689.1  | 703.2  | 714.1  | 729.7  | 751.6  | 775.1  | 801.6  | 842.3  | 867.3  | 893.8  |
| 47.5° | 632.9  | 640.7  | 650.1  | 667.2  | 687.6  | 703.2  | 728.2  | 753.2  | 790.7  | 814.1  | 839.1  |
| 50°   | 586.0  | 593.8  | 607.9  | 618.8  | 634.4  | 654.7  | 678.2  | 704.7  | 740.7  | 756.3  | 781.3  |
| 52.5° | 542.2  | 545.4  | 559.4  | 570.4  | 586.0  | 609.4  | 628.2  | 651.6  | 686.0  | 703.2  | 728.2  |
| 55°   | 498.5  | 501.6  | 509.4  | 520.4  | 537.5  | 556.3  | 576.6  | 603.2  | 632.9  | 648.5  | 671.9  |
| 57.5° | 453.2  | 456.3  | 464.1  | 471.9  | 489.1  | 506.3  | 529.7  | 551.6  | 581.3  | 595.4  | 617.2  |
| 60°   | 407.8  | 407.8  | 415.7  | 426.6  | 439.1  | 454.7  | 475.0  | 501.6  | 523.5  | 540.7  | 556.3  |
| 62.5° | 359.4  | 364.1  | 368.8  | 376.6  | 390.7  | 409.4  | 426.6  | 445.3  | 471.9  | 484.4  | 498.5  |
| 65°   | 311.0  | 315.7  | 325.0  | 332.8  | 343.8  | 356.3  | 378.2  | 393.8  | 414.1  | 428.2  | 440.7  |
| 67.5° | 268.8  | 273.5  | 279.7  | 289.1  | 296.9  | 311.0  | 326.6  | 342.2  | 364.1  | 373.5  | 382.8  |
| 70°   | 225.0  | 229.7  | 234.4  | 246.9  | 254.7  | 265.6  | 276.6  | 292.2  | 311.0  | 317.2  | 325.0  |
| 72.5° | 190.6  | 192.2  | 198.5  | 201.6  | 212.5  | 221.9  | 234.4  | 243.8  | 257.8  | 265.6  | 271.9  |
| 75°   | 161.0  | 161.0  | 162.5  | 165.6  | 171.9  | 178.1  | 187.5  | 196.9  | 209.4  | 214.1  | 221.9  |
| 77.5° | 126.6  | 131.3  | 129.7  | 132.8  | 135.9  | 139.1  | 146.9  | 153.1  | 165.6  | 168.8  | 171.9  |
| 80°   | 90.6   | 92.2   | 96.9   | 101.6  | 101.6  | 106.3  | 110.9  | 112.5  | 120.3  | 125.0  | 125.0  |
| 82.5° | 65.6   | 67.2   | 65.6   | 67.2   | 68.8   | 70.3   | 75.0   | 81.3   | 81.3   | 82.8   | 85.9   |
| 85°   | 40.6   | 40.6   | 42.2   | 43.8   | 43.8   | 42.2   | 45.3   | 43.8   | 45.3   | 48.4   | 48.4   |
| 87.5° | 20.3   | 18.8   | 18.8   | 18.8   | 18.8   | 18.8   | 20.3   | 18.8   | 20.3   | 20.3   | 20.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1004902

CATALOG NUMBER: S125R3DR-B850DB2750-4F0-XX-W2A-A\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 1903.3 | 1903.3 | 1903.3 | 1903.3 |
| 2.5°  | 1859.5 | 1873.6 | 1887.7 | 1904.8 |
| 5°    | 1822.0 | 1847.0 | 1873.6 | 1898.6 |
| 7.5°  | 1781.4 | 1817.3 | 1851.7 | 1887.7 |
| 10°   | 1736.1 | 1781.4 | 1820.5 | 1870.5 |
| 12.5° | 1686.1 | 1734.5 | 1789.2 | 1845.5 |
| 15°   | 1636.1 | 1697.0 | 1754.8 | 1818.9 |
| 17.5° | 1589.2 | 1647.0 | 1711.1 | 1787.6 |
| 20°   | 1532.9 | 1597.0 | 1668.9 | 1750.1 |
| 22.5° | 1473.6 | 1543.9 | 1622.0 | 1709.5 |
| 25°   | 1423.6 | 1495.4 | 1570.4 | 1662.6 |
| 27.5° | 1368.9 | 1443.9 | 1517.3 | 1615.8 |
| 30°   | 1306.4 | 1387.6 | 1462.6 | 1564.2 |
| 32.5° | 1247.0 | 1328.2 | 1411.1 | 1506.4 |
| 35°   | 1189.2 | 1268.9 | 1351.7 | 1448.6 |
| 37.5° | 1134.5 | 1206.3 | 1287.6 | 1375.1 |
| 40°   | 1082.9 | 1148.5 | 1220.4 | 1300.1 |
| 42.5° | 1017.3 | 1093.8 | 1161.0 | 1218.8 |
| 45°   | 961.0  | 1023.5 | 1086.0 | 1132.9 |
| 47.5° | 895.4  | 957.9  | 1011.0 | 1048.5 |
| 50°   | 840.7  | 890.7  | 934.4  | 967.3  |
| 52.5° | 775.1  | 821.9  | 857.9  | 882.9  |
| 55°   | 711.0  | 751.6  | 782.9  | 800.1  |
| 57.5° | 653.2  | 679.7  | 703.2  | 718.8  |
| 60°   | 589.1  | 609.4  | 629.7  | 646.9  |
| 62.5° | 520.4  | 542.2  | 553.2  | 571.9  |
| 65°   | 459.4  | 473.5  | 490.7  | 496.9  |
| 67.5° | 400.0  | 407.8  | 418.8  | 431.3  |
| 70°   | 337.5  | 342.2  | 353.2  | 370.3  |
| 72.5° | 282.8  | 287.5  | 295.3  | 301.6  |
| 75°   | 225.0  | 229.7  | 236.0  | 242.2  |
| 77.5° | 176.6  | 178.1  | 181.3  | 187.5  |
| 80°   | 128.1  | 132.8  | 135.9  | 137.5  |
| 82.5° | 89.1   | 90.6   | 90.6   | 92.2   |
| 85°   | 56.3   | 53.1   | 53.1   | 54.7   |
| 87.5° | 20.3   | 23.4   | 23.4   | 26.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)