

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: METALUX

Report Number: P1214047

Luminaire Tested: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

Issue Date: 3/29/2018

**Test Information**

Test Method: LM-79-2019  
Report Number: P1214047  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33524)  
Test Lab: INNOVATIONS CENTER-P3  
Issue Date: 3/29/2018  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U  
Description: 2FT LINEAR SNLED LED FIXTURE  
METALIC FINISH REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

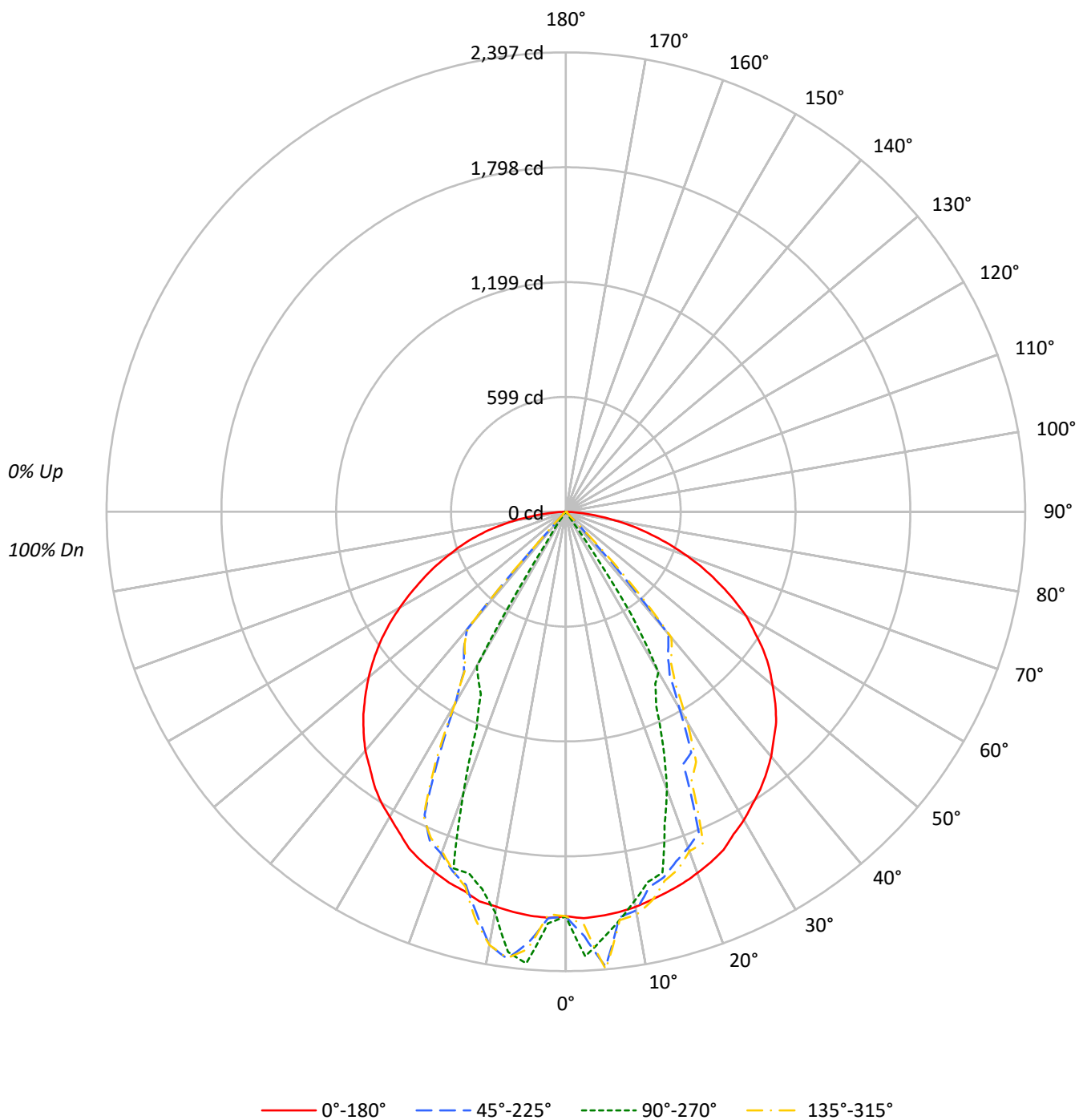
Lumens per Lamp: N/A  
Luminaire Lumens: 3001.0 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 27  
Input Voltage (V): NR  
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: P1214047

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

### Luminous Intensity Polar Plot



TEST NUMBER: P1214047

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 112 | 108 | 105 | 103 | 109 | 106 | 103 | 101 | 102 | 100 | 98  | 98  | 96  | 95  | 95  | 93  | 92  | 90  |    |    |
| 2   | 105 | 98  | 93  | 89  | 102 | 97  | 92  | 88  | 93  | 89  | 86  | 90  | 87  | 84  | 87  | 85  | 82  | 81  |    |    |
| 3   | 98  | 90  | 83  | 78  | 95  | 88  | 82  | 78  | 85  | 80  | 76  | 83  | 79  | 75  | 80  | 77  | 74  | 72  |    |    |
| 4   | 91  | 82  | 75  | 70  | 89  | 81  | 74  | 69  | 78  | 73  | 69  | 76  | 72  | 68  | 74  | 70  | 67  | 65  |    |    |
| 5   | 85  | 75  | 68  | 63  | 84  | 74  | 68  | 63  | 72  | 66  | 62  | 71  | 65  | 61  | 69  | 64  | 61  | 59  |    |    |
| 6   | 80  | 69  | 62  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 56  | 65  | 60  | 56  | 64  | 59  | 55  | 54  |    |    |
| 7   | 75  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  | 49  |    |    |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 52  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  |    |    |
| 9   | 67  | 56  | 49  | 44  | 66  | 55  | 49  | 44  | 54  | 48  | 44  | 53  | 48  | 44  | 52  | 47  | 44  | 42  |    |    |
| 10  | 63  | 52  | 45  | 41  | 62  | 52  | 45  | 41  | 51  | 45  | 41  | 50  | 44  | 41  | 49  | 44  | 40  | 39  |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 34110 | 34110 | 34110 | 34110 |
| 5°  | 34157 | 35082 | 34146 | 37152 |
| 10° | 33981 | 31746 | 33962 | 32661 |
| 15° | 33794 | 29631 | 33711 | 29708 |
| 20° | 33734 | 23339 | 33639 | 23627 |
| 25° | 33729 | 16890 | 33564 | 15938 |
| 30° | 33463 | 14817 | 33110 | 14243 |
| 35° | 33441 | 327   | 32950 | 395   |
| 40° | 33420 | 71    | 32620 | 71    |
| 45° | 33385 | 42    | 32130 | 32    |
| 50° | 32950 | 33    | 31439 | 33    |
| 55° | 32543 | 24    | 30543 | 24    |
| 60° | 31666 | 25    | 29190 | 25    |
| 65° | 29689 | 40    | 27575 | 28    |
| 70° | 27130 | 44    | 25827 | 44    |
| 75° | 23444 | 49    | 23829 | 49    |
| 80° | 18279 | 57    | 19323 | 57    |
| 85° | 9800  | 67    | 10005 | 67    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 2°

Vertical Angle: 45°

Luminance: 36060 cd/sqm

TEST NUMBER: P1214047

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 211.7  | 7.1       |
| 10°-20°   | 577.6  | 19.2      |
| 20°-30°   | 734.9  | 24.5      |
| 30°-40°   | 620.8  | 20.7      |
| 40°-50°   | 405.9  | 13.5      |
| 50°-60°   | 255.7  | 8.5       |
| 60°-70°   | 136.1  | 4.5       |
| 70°-80°   | 49.6   | 1.7       |
| 80°-90°   | 8.5    | 0.3       |
| 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°    | 1524.2 | 50.8      |
| 0°-40°    | 2145.1 | 71.5      |
| 0°-60°    | 2806.7 | 93.5      |
| 0°-90°    | 3001.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3001.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2110 | 2110 | 2110 | 2110 | 2110 |      |
| 5°  | 2117 | 2233 | 2116 | 2365 | 2117 | 201  |
| 15° | 2054 | 1949 | 2048 | 1954 | 2054 | 581  |
| 25° | 1946 | 1113 | 1937 | 1050 | 1946 | 895  |
| 35° | 1769 | 21   | 1743 | 25   | 1769 | 1107 |
| 45° | 1552 | 2    | 1494 | 2    | 1552 | 1193 |
| 55° | 1258 | 1    | 1181 | 1    | 1258 | 1121 |
| 65° | 880  | 2    | 818  | 1    | 880  | 872  |
| 75° | 463  | 2    | 471  | 2    | 463  | 491  |
| 85° | 91   | 2    | 92   | 2    | 91   | 115  |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

TEST NUMBER: P1214047

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 2°     | 3°     | 4°     | 5°     | 6°     | 7°     | 8°     | 9°     | 10°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5°  | 2122.6 | 2123.8 | 2124.5 | 2125.7 | 2127.6 | 2128.3 | 2129.5 | 2128.3 | 2128.3 | 2128.3 | 2128.3 |
| 5°    | 2116.9 | 2119.4 | 2121.3 | 2123.8 | 2128.3 | 2128.9 | 2134.0 | 2134.6 | 2137.1 | 2142.2 | 2146.0 |
| 7.5°  | 2107.4 | 2109.9 | 2113.7 | 2120.0 | 2126.4 | 2133.3 | 2142.2 | 2151.7 | 2165.0 | 2177.7 | 2193.5 |
| 10°   | 2093.4 | 2096.6 | 2101.0 | 2106.7 | 2137.8 | 2142.2 | 2161.8 | 2189.1 | 2196.7 | 2236.6 | 2266.3 |
| 12.5° | 2073.2 | 2083.9 | 2095.3 | 2100.4 | 2130.2 | 2177.0 | 2242.9 | 2229.6 | 2215.0 | 2345.5 | 2343.6 |
| 15°   | 2053.5 | 2068.1 | 2062.4 | 2103.6 | 2130.8 | 2212.5 | 2184.6 | 2244.2 | 2353.1 | 2326.5 | 2327.8 |
| 17.5° | 2032.6 | 2035.8 | 2067.5 | 2101.7 | 2150.4 | 2192.2 | 2226.4 | 2308.2 | 2329.7 | 2331.6 | 2308.2 |
| 20°   | 2006.0 | 2021.2 | 2067.5 | 2098.5 | 2180.8 | 2200.5 | 2274.6 | 2316.4 | 2307.5 | 2286.0 | 2246.1 |
| 22.5° | 1978.8 | 2025.0 | 2071.9 | 2115.6 | 2173.2 | 2225.8 | 2262.5 | 2282.2 | 2235.9 | 2151.1 | 2105.5 |
| 25°   | 1946.5 | 1973.7 | 2035.2 | 2099.1 | 2171.3 | 2201.7 | 2223.3 | 2191.6 | 2131.4 | 2055.4 | 1978.8 |
| 27.5° | 1896.4 | 1940.1 | 2018.7 | 2090.9 | 2156.1 | 2192.9 | 2158.0 | 2082.0 | 1985.1 | 1935.1 | 1900.2 |
| 30°   | 1857.8 | 1914.8 | 1979.4 | 2049.1 | 2116.9 | 2138.4 | 2049.7 | 1962.9 | 1896.4 | 1846.4 | 1838.8 |
| 32.5° | 1810.9 | 1892.0 | 1953.4 | 2019.9 | 2077.0 | 2048.5 | 1962.3 | 1850.2 | 1795.1 | 1776.1 | 1783.7 |
| 35°   | 1769.1 | 1830.6 | 1911.0 | 1976.2 | 2017.4 | 1953.4 | 1817.3 | 1747.6 | 1721.0 | 1731.7 | 1717.8 |
| 37.5° | 1719.1 | 1800.2 | 1874.3 | 1930.6 | 1916.7 | 1820.4 | 1705.1 | 1660.8 | 1664.0 | 1655.1 | 1628.5 |
| 40°   | 1667.1 | 1744.4 | 1821.7 | 1874.9 | 1826.1 | 1679.2 | 1602.5 | 1593.0 | 1594.9 | 1566.4 | 1528.4 |
| 42.5° | 1606.3 | 1676.6 | 1753.9 | 1802.1 | 1696.9 | 1582.3 | 1530.3 | 1531.6 | 1515.1 | 1475.2 | 1454.9 |
| 45°   | 1551.9 | 1616.5 | 1696.9 | 1701.3 | 1572.1 | 1476.5 | 1461.3 | 1444.8 | 1408.1 | 1394.8 | 1379.6 |
| 47.5° | 1482.2 | 1553.8 | 1620.3 | 1596.2 | 1449.9 | 1390.3 | 1378.9 | 1342.8 | 1324.5 | 1314.3 | 1301.7 |
| 50°   | 1408.1 | 1480.3 | 1541.1 | 1472.7 | 1334.6 | 1320.7 | 1283.3 | 1254.8 | 1242.1 | 1231.4 | 1220.0 |
| 52.5° | 1337.8 | 1397.3 | 1459.4 | 1341.6 | 1245.9 | 1232.6 | 1190.2 | 1173.7 | 1161.0 | 1149.0 | 1146.5 |
| 55°   | 1258.0 | 1310.5 | 1353.0 | 1216.8 | 1161.0 | 1130.0 | 1099.6 | 1088.2 | 1076.2 | 1070.5 | 1080.0 |
| 57.5° | 1167.4 | 1226.9 | 1220.6 | 1093.9 | 1069.2 | 1024.2 | 1012.8 | 1005.2 | 996.4  | 1000.2 | 921.0  |
| 60°   | 1085.7 | 1131.3 | 1100.2 | 1004.0 | 962.2  | 931.7  | 921.6  | 916.5  | 921.6  | 844.3  | 742.4  |
| 62.5° | 985.0  | 1036.3 | 973.6  | 898.8  | 854.5  | 839.9  | 831.0  | 838.0  | 763.9  | 679.0  | 654.3  |
| 65°   | 880.4  | 936.2  | 843.7  | 786.1  | 758.2  | 745.5  | 744.9  | 686.0  | 613.1  | 580.2  | 580.2  |
| 67.5° | 779.7  | 837.4  | 718.3  | 670.1  | 659.4  | 660.6  | 623.9  | 534.6  | 514.3  | 492.2  | 428.2  |
| 70°   | 672.7  | 723.4  | 593.5  | 564.4  | 558.0  | 553.6  | 464.3  | 440.2  | 416.2  | 357.2  | 352.2  |
| 72.5° | 566.3  | 591.0  | 477.0  | 470.0  | 468.7  | 389.5  | 371.8  | 330.6  | 302.8  | 295.8  | 292.6  |
| 75°   | 463.0  | 455.4  | 376.9  | 383.2  | 323.0  | 295.2  | 266.7  | 242.6  | 238.8  | 236.3  | 58.9   |
| 77.5° | 365.5  | 327.5  | 297.1  | 258.4  | 231.2  | 196.4  | 190.7  | 186.9  | 122.9  | 44.3   | 36.1   |
| 80°   | 266.0  | 212.2  | 197.6  | 167.9  | 143.2  | 137.5  | 140.6  | 43.1   | 34.2   | 28.5   | 24.7   |
| 82.5° | 169.1  | 135.6  | 110.8  | 96.9   | 94.4   | 41.2   | 30.4   | 24.7   | 21.5   | 18.4   | 15.2   |
| 85°   | 90.6   | 60.2   | 55.7   | 46.9   | 27.9   | 19.0   | 15.8   | 12.0   | 10.1   | 8.2    | 7.6    |
| 87.5° | 28.5   | 24.1   | 19.6   | 15.8   | 9.5    | 6.3    | 5.1    | 4.4    | 3.8    | 3.2    | 3.2    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 11°    | 12°    | 13°    | 14°    | 15°    | 16°    | 17°    | 18°    | 19°    | 20°    | 25°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5°  | 2127.0 | 2128.3 | 2127.6 | 2129.5 | 2129.5 | 2132.1 | 2134.0 | 2135.9 | 2139.7 | 2141.6 | 2156.1 |
| 5°    | 2154.2 | 2157.4 | 2166.9 | 2175.8 | 2186.5 | 2189.7 | 2208.1 | 2212.5 | 2234.0 | 2236.6 | 2307.5 |
| 7.5°  | 2215.0 | 2227.1 | 2249.9 | 2272.7 | 2295.5 | 2310.1 | 2335.4 | 2351.2 | 2368.3 | 2383.5 | 2439.9 |
| 10°   | 2288.5 | 2308.8 | 2331.0 | 2353.8 | 2367.1 | 2394.9 | 2410.1 | 2412.7 | 2408.2 | 2383.5 | 2292.3 |
| 12.5° | 2360.7 | 2381.0 | 2371.5 | 2375.9 | 2391.8 | 2342.4 | 2349.3 | 2313.9 | 2338.6 | 2216.3 | 2125.7 |
| 15°   | 2350.6 | 2349.3 | 2325.9 | 2249.9 | 2262.5 | 2168.2 | 2130.2 | 2101.0 | 2124.5 | 2111.8 | 2097.9 |
| 17.5° | 2320.2 | 2262.5 | 2222.0 | 2130.8 | 2092.2 | 2065.6 | 2066.2 | 2066.8 | 2055.4 | 2067.5 | 2032.0 |
| 20°   | 2191.6 | 2127.0 | 2066.8 | 2034.5 | 2023.1 | 2004.1 | 2013.6 | 2004.1 | 2004.7 | 2008.5 | 1954.1 |
| 22.5° | 2020.6 | 2000.9 | 1966.1 | 1976.2 | 1972.4 | 1989.5 | 1976.9 | 1957.2 | 1963.6 | 1935.1 | 1893.9 |
| 25°   | 1951.5 | 1928.7 | 1927.5 | 1931.3 | 1925.6 | 1918.0 | 1906.6 | 1876.8 | 1874.9 | 1866.0 | 1847.0 |
| 27.5° | 1881.9 | 1883.1 | 1886.9 | 1875.5 | 1855.3 | 1840.1 | 1823.0 | 1808.4 | 1814.1 | 1804.0 | 1778.0 |
| 30°   | 1833.7 | 1833.1 | 1810.3 | 1800.2 | 1762.8 | 1763.4 | 1759.0 | 1750.1 | 1744.4 | 1745.0 | 1728.6 |
| 32.5° | 1765.3 | 1745.7 | 1719.7 | 1707.0 | 1703.9 | 1692.5 | 1683.6 | 1685.5 | 1689.9 | 1674.1 | 1691.2 |
| 35°   | 1695.0 | 1654.5 | 1650.7 | 1639.9 | 1629.8 | 1622.2 | 1625.3 | 1612.7 | 1612.0 | 1610.1 | 1470.8 |
| 37.5° | 1600.6 | 1581.0 | 1579.1 | 1567.7 | 1560.7 | 1558.8 | 1546.8 | 1548.7 | 1554.4 | 1564.5 | 1254.2 |
| 40°   | 1522.7 | 1505.0 | 1500.6 | 1499.9 | 1484.7 | 1483.5 | 1486.6 | 1498.7 | 1506.9 | 1443.5 | 1195.2 |
| 42.5° | 1439.1 | 1440.4 | 1426.4 | 1417.6 | 1419.5 | 1425.2 | 1440.4 | 1398.6 | 1211.7 | 1154.7 | 1092.6 |
| 45°   | 1367.5 | 1361.2 | 1353.6 | 1351.1 | 1367.5 | 1356.1 | 1188.9 | 1097.1 | 1074.9 | 1072.4 | 898.2  |
| 47.5° | 1292.8 | 1290.9 | 1287.7 | 1289.6 | 1195.9 | 1066.0 | 1028.0 | 1016.0 | 1019.8 | 1017.3 | 771.5  |
| 50°   | 1217.4 | 1220.0 | 1220.0 | 1065.4 | 978.0  | 956.5  | 959.6  | 970.4  | 903.2  | 843.1  | 718.9  |
| 52.5° | 1152.2 | 1132.5 | 970.4  | 914.6  | 895.0  | 904.5  | 881.7  | 797.5  | 736.7  | 701.2  | 665.1  |
| 55°   | 1031.2 | 886.8  | 850.7  | 841.8  | 848.8  | 764.5  | 712.6  | 658.1  | 642.3  | 638.5  | 617.6  |
| 57.5° | 811.4  | 782.3  | 785.4  | 750.0  | 669.5  | 622.0  | 601.1  | 593.5  | 586.5  | 581.5  | 50.7   |
| 60°   | 717.7  | 725.9  | 664.4  | 588.4  | 556.1  | 549.8  | 544.7  | 537.8  | 536.5  | 527.6  | 32.3   |
| 62.5° | 656.8  | 577.7  | 524.5  | 505.5  | 497.9  | 496.0  | 486.5  | 483.3  | 410.5  | 56.4   | 24.1   |
| 65°   | 495.3  | 463.0  | 452.9  | 448.5  | 440.2  | 440.2  | 365.5  | 57.6   | 46.9   | 40.5   | 21.5   |
| 67.5° | 404.1  | 401.6  | 396.5  | 390.8  | 266.0  | 55.7   | 48.8   | 42.4   | 36.7   | 32.3   | 19.0   |
| 70°   | 342.0  | 340.8  | 310.4  | 57.0   | 47.5   | 41.8   | 36.7   | 32.9   | 30.4   | 27.2   | 17.1   |
| 72.5° | 280.6  | 57.0   | 48.1   | 41.8   | 36.1   | 32.9   | 29.8   | 26.6   | 24.1   | 22.2   | 13.9   |
| 75°   | 43.7   | 38.6   | 34.2   | 31.0   | 28.5   | 25.3   | 22.8   | 20.9   | 20.3   | 17.7   | 9.5    |
| 77.5° | 31.7   | 27.2   | 24.7   | 22.2   | 19.6   | 17.7   | 15.2   | 13.3   | 12.0   | 10.1   | 7.0    |
| 80°   | 22.2   | 19.6   | 17.7   | 14.6   | 12.7   | 10.8   | 9.5    | 8.2    | 7.6    | 6.3    | 3.2    |
| 82.5° | 12.7   | 10.8   | 9.5    | 7.6    | 7.0    | 5.7    | 5.1    | 4.4    | 4.4    | 3.2    | 3.2    |
| 85°   | 5.7    | 5.7    | 4.4    | 3.8    | 3.2    | 3.2    | 3.2    | 2.5    | 2.5    | 1.9    | 1.9    |
| 87.5° | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.3    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 30°    | 35°    | 40°    | 45°    | 50°    | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5°  | 2176.4 | 2184.6 | 2200.5 | 2216.9 | 2198.6 | 2264.4 | 2259.4 | 2281.5 | 2293.6 | 2299.3 | 2312.6 |
| 5°    | 2370.2 | 2407.0 | 2419.0 | 2382.9 | 2362.0 | 2340.5 | 2291.7 | 2254.9 | 2259.4 | 2247.3 | 2203.6 |
| 7.5°  | 2366.4 | 2287.9 | 2182.1 | 2134.0 | 2130.2 | 2124.5 | 2139.7 | 2148.5 | 2149.8 | 2149.2 | 2147.9 |
| 10°   | 2166.3 | 2125.7 | 2118.8 | 2112.4 | 2115.0 | 2091.5 | 2080.8 | 2050.4 | 2066.8 | 2058.0 | 2061.1 |
| 12.5° | 2105.5 | 2096.0 | 2058.6 | 2006.6 | 2037.7 | 2014.2 | 2000.9 | 2009.8 | 1999.7 | 1990.2 | 1987.0 |
| 15°   | 2069.4 | 2007.9 | 1987.0 | 1974.3 | 1965.5 | 1960.4 | 1964.8 | 1954.7 | 1951.5 | 1949.6 | 1954.1 |
| 17.5° | 1994.6 | 1969.9 | 1947.1 | 1913.5 | 1914.2 | 1912.3 | 1924.9 | 1943.9 | 1945.2 | 1847.7 | 1759.6 |
| 20°   | 1935.7 | 1915.4 | 1886.3 | 1865.4 | 1893.9 | 1843.2 | 1647.5 | 1554.4 | 1539.8 | 1539.8 | 1542.4 |
| 22.5° | 1888.8 | 1843.9 | 1845.8 | 1812.8 | 1546.2 | 1491.7 | 1493.0 | 1498.7 | 1472.7 | 1384.0 | 1374.5 |
| 25°   | 1824.9 | 1817.9 | 1679.2 | 1451.1 | 1453.0 | 1410.6 | 1345.4 | 1253.5 | 1154.1 | 1154.1 | 1137.6 |
| 27.5° | 1776.7 | 1629.1 | 1426.4 | 1416.9 | 1274.4 | 1184.5 | 1128.7 | 1044.5 | 1033.1 | 1022.3 | 1023.6 |
| 30°   | 1735.5 | 1378.3 | 1383.4 | 1184.5 | 1079.3 | 1004.6 | 1000.2 | 986.2  | 979.3  | 977.4  | 970.4  |
| 32.5° | 1372.0 | 1342.2 | 1157.9 | 1008.4 | 967.2  | 955.2  | 949.5  | 933.6  | 933.0  | 921.0  | 837.4  |
| 35°   | 1286.5 | 1178.1 | 969.1  | 928.6  | 916.5  | 905.1  | 895.6  | 601.1  | 70.9   | 28.5   | 24.7   |
| 37.5° | 1188.9 | 984.3  | 896.3  | 877.9  | 866.5  | 640.4  | 64.0   | 22.2   | 15.8   | 11.4   | 10.1   |
| 40°   | 1007.8 | 879.2  | 851.3  | 831.0  | 342.7  | 22.2   | 13.9   | 10.8   | 6.3    | 5.7    | 5.1    |
| 42.5° | 850.0  | 828.5  | 798.7  | 243.2  | 25.3   | 10.8   | 7.0    | 5.1    | 4.4    | 4.4    | 3.8    |
| 45°   | 795.6  | 776.6  | 321.8  | 24.1   | 15.8   | 5.1    | 4.4    | 4.4    | 3.8    | 2.5    | 2.5    |
| 47.5° | 744.9  | 655.6  | 29.1   | 15.2   | 10.1   | 4.4    | 3.8    | 2.5    | 2.5    | 2.5    | 1.9    |
| 50°   | 691.1  | 36.1   | 20.3   | 11.4   | 6.3    | 2.5    | 2.5    | 2.5    | 2.5    | 1.9    | 1.9    |
| 52.5° | 129.2  | 25.3   | 16.5   | 10.1   | 3.2    | 2.5    | 2.5    | 2.5    | 1.9    | 1.9    | 1.9    |
| 55°   | 30.4   | 20.3   | 15.2   | 8.9    | 2.5    | 2.5    | 2.5    | 1.9    | 1.9    | 1.9    | 1.3    |
| 57.5° | 22.8   | 15.2   | 12.0   | 8.2    | 2.5    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.3    |
| 60°   | 19.0   | 10.8   | 9.5    | 7.6    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.3    |
| 62.5° | 13.3   | 8.9    | 7.0    | 5.7    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 65°   | 10.8   | 7.0    | 5.7    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 67.5° | 9.5    | 5.7    | 3.8    | 1.3    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 70°   | 7.6    | 1.9    | 1.9    | 1.3    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 72.5° | 6.3    | 1.9    | 1.3    | 1.3    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 75°   | 6.3    | 3.2    | 1.3    | 1.3    | 1.9    | 1.9    | 2.5    | 2.5    | 1.9    | 1.9    | 1.9    |
| 77.5° | 4.4    | 3.2    | 1.3    | 1.3    | 1.9    | 1.9    | 2.5    | 2.5    | 1.9    | 1.9    | 1.9    |
| 80°   | 2.5    | 3.2    | 1.3    | 1.9    | 1.9    | 3.8    | 4.4    | 2.5    | 1.9    | 1.9    | 1.9    |
| 82.5° | 2.5    | 3.2    | 3.8    | 3.8    | 1.9    | 3.2    | 3.8    | 3.2    | 2.5    | 1.9    | 1.9    |
| 85°   | 2.5    | 1.9    | 2.5    | 3.2    | 1.9    | 3.2    | 3.2    | 2.5    | 2.5    | 1.9    | 1.9    |
| 87.5° | 1.3    | 1.9    | 1.9    | 2.5    | 2.5    | 2.5    | 3.2    | 2.5    | 2.5    | 2.5    | 1.9    |
| 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: P1214047

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 85°    | 90°    | 95°    | 100°   | 105°   | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5°  | 2318.9 | 2321.5 | 2281.5 | 2267.6 | 2279.6 | 2277.1 | 2266.3 | 2226.4 | 2222.0 | 2195.4 | 2156.8 |
| 5°    | 2216.3 | 2233.4 | 2212.5 | 2248.6 | 2231.5 | 2248.6 | 2300.6 | 2324.6 | 2363.9 | 2388.0 | 2396.8 |
| 7.5°  | 2144.7 | 2148.5 | 2148.5 | 2151.7 | 2154.9 | 2155.5 | 2151.7 | 2149.2 | 2138.4 | 2125.1 | 2149.2 |
| 10°   | 2058.0 | 2062.4 | 2070.0 | 2068.7 | 2068.1 | 2081.4 | 2084.6 | 2111.8 | 2110.5 | 2115.6 | 2134.0 |
| 12.5° | 2013.0 | 1978.8 | 2009.8 | 2001.6 | 2013.0 | 1995.2 | 2028.2 | 2022.5 | 2024.4 | 2039.6 | 2078.9 |
| 15°   | 1938.2 | 1949.0 | 1956.6 | 1956.6 | 1961.0 | 1957.2 | 1953.4 | 1979.4 | 1995.2 | 1995.9 | 1993.3 |
| 17.5° | 1794.5 | 1712.7 | 1796.4 | 1774.8 | 1946.5 | 1950.9 | 1936.3 | 1924.3 | 1924.3 | 1933.8 | 1954.1 |
| 20°   | 1540.5 | 1542.4 | 1543.0 | 1551.2 | 1561.4 | 1560.7 | 1561.4 | 1810.9 | 1929.4 | 1902.1 | 1883.8 |
| 22.5° | 1350.4 | 1327.0 | 1370.7 | 1367.5 | 1422.0 | 1482.2 | 1539.8 | 1534.1 | 1537.9 | 1714.0 | 1872.4 |
| 25°   | 1082.5 | 1112.9 | 1088.2 | 1099.0 | 1160.4 | 1232.0 | 1276.3 | 1392.2 | 1518.3 | 1509.4 | 1550.6 |
| 27.5° | 1019.2 | 1010.9 | 1022.3 | 1022.3 | 1030.6 | 1040.1 | 1064.8 | 1130.0 | 1242.1 | 1359.9 | 1471.4 |
| 30°   | 959.0  | 966.0  | 967.2  | 978.6  | 985.0  | 991.3  | 995.1  | 1019.8 | 1045.1 | 1126.8 | 1264.3 |
| 32.5° | 720.2  | 631.5  | 831.0  | 884.9  | 930.5  | 941.2  | 948.9  | 959.0  | 977.4  | 989.4  | 1058.4 |
| 35°   | 20.9   | 20.9   | 22.2   | 25.3   | 32.3   | 217.9  | 829.8  | 914.6  | 926.7  | 941.9  | 954.6  |
| 37.5° | 10.1   | 7.6    | 8.9    | 9.5    | 11.4   | 15.8   | 22.8   | 70.9   | 789.9  | 893.1  | 907.0  |
| 40°   | 4.4    | 4.4    | 4.4    | 4.4    | 5.1    | 6.3    | 9.5    | 15.8   | 24.1   | 635.3  | 857.0  |
| 42.5° | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 4.4    | 5.7    | 11.4   | 27.2   | 449.7  |
| 45°   | 2.5    | 2.5    | 1.9    | 2.5    | 2.5    | 3.2    | 3.8    | 3.8    | 5.1    | 17.1   | 31.0   |
| 47.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 3.2    | 3.8    | 11.4   | 16.5   |
| 50°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 8.9    | 11.4   |
| 52.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 3.8    | 10.1   |
| 55°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.9    | 1.9    | 2.5    | 8.9    |
| 57.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.9    | 1.3    | 1.3    | 1.9    | 1.9    | 8.2    |
| 60°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 7.6    |
| 62.5° | 1.9    | 1.9    | 1.3    | 1.9    | 1.3    | 1.3    | 1.9    | 1.9    | 1.9    | 1.9    | 5.1    |
| 65°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.3    | 1.9    |
| 67.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.3    | 1.9    | 1.3    | 1.9    | 1.9    | 1.3    | 1.3    |
| 70°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.3    | 1.3    | 1.3    | 1.3    |
| 72.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.3    | 1.3    | 1.3    | 1.3    |
| 75°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.5    | 2.5    | 1.3    | 1.3    | 1.3    |
| 77.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 3.2    | 3.8    | 3.2    | 3.2    | 1.3    |
| 80°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 3.2    | 3.2    | 3.2    | 3.2    | 4.4    |
| 82.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.5    | 2.5    | 2.5    | 2.5    | 3.2    |
| 85°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.5    | 2.5    | 2.5    | 1.9    | 2.5    |
| 87.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.5    | 1.9    | 1.9    | 1.9    |
| 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: P1214047

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 140°   | 145°   | 150°   | 155°   | 160°   | 161°   | 162°   | 163°   | 164°   | 165°   | 166°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5°  | 2159.9 | 2138.4 | 2131.4 | 2116.9 | 2115.6 | 2116.9 | 2113.7 | 2109.3 | 2111.8 | 2107.4 | 2103.6 |
| 5°    | 2401.9 | 2344.3 | 2306.9 | 2256.8 | 2187.8 | 2172.6 | 2168.8 | 2147.3 | 2139.7 | 2137.1 | 2127.0 |
| 7.5°  | 2206.2 | 2311.3 | 2374.7 | 2396.2 | 2315.1 | 2296.1 | 2273.9 | 2256.2 | 2239.1 | 2206.8 | 2187.2 |
| 10°   | 2119.4 | 2124.5 | 2185.3 | 2256.2 | 2371.5 | 2387.3 | 2399.4 | 2360.7 | 2350.0 | 2267.6 | 2249.9 |
| 12.5° | 2099.1 | 2099.8 | 2106.7 | 2149.8 | 2240.4 | 2250.5 | 2293.0 | 2315.8 | 2343.6 | 2359.5 | 2346.8 |
| 15°   | 2006.6 | 2058.0 | 2096.0 | 2099.8 | 2108.0 | 2125.7 | 2138.4 | 2217.6 | 2251.1 | 2341.1 | 2336.0 |
| 17.5° | 1963.6 | 1980.0 | 2035.2 | 2080.1 | 2072.5 | 2066.2 | 2076.3 | 2087.1 | 2119.4 | 2209.3 | 2208.1 |
| 20°   | 1892.0 | 1944.6 | 1974.3 | 2021.2 | 2063.7 | 2065.6 | 2054.2 | 2047.8 | 2035.2 | 2049.7 | 2063.0 |
| 22.5° | 1861.6 | 1869.8 | 1925.6 | 1958.5 | 2006.6 | 2023.8 | 2026.3 | 2026.9 | 2019.9 | 2012.3 | 2008.5 |
| 25°   | 1858.4 | 1832.5 | 1861.0 | 1902.1 | 1937.6 | 1956.0 | 1976.9 | 1983.8 | 1981.3 | 1981.3 | 1977.5 |
| 27.5° | 1520.8 | 1824.2 | 1809.0 | 1836.3 | 1879.3 | 1892.0 | 1902.8 | 1924.3 | 1937.6 | 1947.1 | 1951.5 |
| 30°   | 1448.6 | 1503.1 | 1768.5 | 1772.3 | 1816.0 | 1814.7 | 1826.8 | 1844.5 | 1861.6 | 1883.8 | 1889.5 |
| 32.5° | 1281.4 | 1415.0 | 1619.0 | 1708.3 | 1753.9 | 1758.4 | 1764.7 | 1769.8 | 1785.6 | 1810.3 | 1831.8 |
| 35°   | 1026.8 | 1289.0 | 1387.2 | 1677.9 | 1686.1 | 1695.0 | 1698.8 | 1710.8 | 1715.9 | 1726.0 | 1745.0 |
| 37.5° | 929.2  | 1065.4 | 1330.8 | 1451.1 | 1608.2 | 1615.8 | 1636.1 | 1641.2 | 1649.4 | 1657.6 | 1672.2 |
| 40°   | 872.8  | 910.2  | 1107.8 | 1296.0 | 1545.5 | 1550.6 | 1557.6 | 1570.2 | 1570.9 | 1580.4 | 1593.7 |
| 42.5° | 827.9  | 851.9  | 909.6  | 1237.7 | 1501.2 | 1500.6 | 1484.1 | 1492.3 | 1496.1 | 1506.3 | 1524.6 |
| 45°   | 661.3  | 799.4  | 836.1  | 1010.9 | 1195.2 | 1281.4 | 1446.7 | 1419.5 | 1418.8 | 1422.6 | 1442.3 |
| 47.5° | 33.6   | 751.9  | 777.8  | 834.2  | 1128.7 | 1131.9 | 1153.4 | 1334.6 | 1362.5 | 1353.6 | 1355.5 |
| 50°   | 22.8   | 51.9   | 724.6  | 750.6  | 972.9  | 1051.5 | 1067.3 | 1075.5 | 1180.0 | 1296.6 | 1277.6 |
| 52.5° | 17.7   | 29.8   | 444.0  | 696.8  | 790.5  | 848.1  | 950.1  | 1008.4 | 1014.7 | 1061.6 | 1220.6 |
| 55°   | 15.8   | 22.8   | 48.1   | 642.9  | 672.0  | 684.7  | 744.3  | 846.2  | 928.6  | 953.3  | 955.2  |
| 57.5° | 13.9   | 20.9   | 32.9   | 290.7  | 611.2  | 613.8  | 623.9  | 659.4  | 733.5  | 801.3  | 877.9  |
| 60°   | 12.7   | 18.4   | 26.0   | 50.0   | 555.5  | 561.8  | 563.7  | 573.2  | 582.1  | 628.3  | 716.4  |
| 62.5° | 7.6    | 14.6   | 22.8   | 36.1   | 439.6  | 504.8  | 504.2  | 510.5  | 518.8  | 523.8  | 541.6  |
| 65°   | 6.3    | 11.4   | 19.6   | 30.4   | 53.8   | 67.1   | 407.9  | 453.5  | 458.6  | 465.6  | 468.7  |
| 67.5° | 5.7    | 10.1   | 14.6   | 24.1   | 40.5   | 46.2   | 53.2   | 65.9   | 359.8  | 405.4  | 411.7  |
| 70°   | 5.1    | 7.0    | 12.0   | 20.3   | 32.9   | 35.5   | 39.9   | 45.6   | 53.8   | 66.5   | 325.6  |
| 72.5° | 3.2    | 5.1    | 8.2    | 14.6   | 25.3   | 28.5   | 31.0   | 34.8   | 38.6   | 46.2   | 53.2   |
| 75°   | 1.3    | 3.8    | 7.0    | 10.8   | 19.6   | 21.5   | 23.4   | 26.0   | 29.1   | 34.2   | 38.0   |
| 77.5° | 1.3    | 3.2    | 5.7    | 7.6    | 12.7   | 14.6   | 17.1   | 19.0   | 21.5   | 24.1   | 27.9   |
| 80°   | 4.4    | 2.5    | 3.8    | 5.7    | 8.9    | 9.5    | 10.8   | 12.0   | 13.9   | 15.8   | 18.4   |
| 82.5° | 3.2    | 3.8    | 4.4    | 3.8    | 4.4    | 5.7    | 6.3    | 7.6    | 8.2    | 9.5    | 10.1   |
| 85°   | 2.5    | 2.5    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.8    | 4.4    | 5.7    |
| 87.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.5    | 2.5    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 167°   | 168°   | 169°   | 170°   | 171°   | 172°   | 173°   | 174°   | 175°   | 176°   | 177°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5°  | 2103.6 | 2102.3 | 2098.5 | 2098.5 | 2097.9 | 2100.4 | 2102.3 | 2104.2 | 2103.6 | 2107.4 | 2103.6 |
| 5°    | 2119.4 | 2116.2 | 2110.5 | 2105.5 | 2103.6 | 2104.8 | 2102.9 | 2104.8 | 2102.3 | 2105.5 | 2099.8 |
| 7.5°  | 2163.1 | 2152.3 | 2130.2 | 2121.3 | 2109.9 | 2109.3 | 2103.6 | 2102.3 | 2098.5 | 2098.5 | 2091.5 |
| 10°   | 2240.4 | 2188.4 | 2182.1 | 2155.5 | 2146.0 | 2099.8 | 2109.9 | 2092.8 | 2090.9 | 2082.7 | 2079.5 |
| 12.5° | 2303.7 | 2263.2 | 2251.1 | 2227.7 | 2201.1 | 2107.4 | 2128.3 | 2091.5 | 2089.6 | 2073.2 | 2056.1 |
| 15°   | 2305.0 | 2328.4 | 2295.5 | 2230.9 | 2225.2 | 2160.6 | 2118.1 | 2105.5 | 2089.0 | 2039.6 | 2047.8 |
| 17.5° | 2230.9 | 2284.7 | 2300.6 | 2286.6 | 2246.1 | 2202.4 | 2142.8 | 2117.5 | 2068.1 | 2045.9 | 2030.7 |
| 20°   | 2110.5 | 2165.0 | 2232.8 | 2237.2 | 2262.5 | 2231.5 | 2153.6 | 2112.4 | 2052.9 | 2014.2 | 2001.6 |
| 22.5° | 2014.9 | 2054.8 | 2132.7 | 2168.8 | 2199.8 | 2210.6 | 2161.2 | 2100.4 | 2026.3 | 1988.9 | 1981.3 |
| 25°   | 1964.2 | 1973.1 | 1996.5 | 2039.0 | 2107.4 | 2156.8 | 2163.7 | 2099.1 | 2060.5 | 1978.8 | 1935.7 |
| 27.5° | 1945.8 | 1938.2 | 1928.7 | 1950.3 | 2001.6 | 2061.8 | 2101.7 | 2112.4 | 2016.1 | 1938.2 | 1895.2 |
| 30°   | 1899.0 | 1903.4 | 1888.8 | 1881.2 | 1914.8 | 1976.9 | 2047.8 | 2065.6 | 1991.4 | 1911.0 | 1861.6 |
| 32.5° | 1841.3 | 1848.9 | 1851.5 | 1838.2 | 1831.2 | 1874.3 | 1950.9 | 1993.3 | 1989.5 | 1872.4 | 1817.3 |
| 35°   | 1769.1 | 1790.7 | 1796.4 | 1797.0 | 1785.6 | 1778.6 | 1823.0 | 1911.0 | 1944.6 | 1854.6 | 1774.8 |
| 37.5° | 1693.1 | 1699.4 | 1730.5 | 1738.7 | 1738.7 | 1717.8 | 1750.7 | 1821.1 | 1867.9 | 1814.7 | 1722.9 |
| 40°   | 1598.1 | 1618.4 | 1647.5 | 1662.1 | 1676.6 | 1678.5 | 1660.2 | 1709.6 | 1786.9 | 1773.6 | 1674.1 |
| 42.5° | 1529.1 | 1542.4 | 1560.1 | 1579.7 | 1609.5 | 1617.1 | 1598.1 | 1607.0 | 1687.4 | 1722.2 | 1610.8 |
| 45°   | 1448.6 | 1466.3 | 1471.4 | 1493.0 | 1524.0 | 1546.2 | 1545.5 | 1527.2 | 1591.8 | 1634.8 | 1564.5 |
| 47.5° | 1366.3 | 1383.4 | 1392.2 | 1403.0 | 1425.8 | 1454.3 | 1470.1 | 1461.9 | 1474.6 | 1558.8 | 1503.1 |
| 50°   | 1281.4 | 1290.9 | 1308.6 | 1320.7 | 1335.9 | 1352.3 | 1390.3 | 1397.9 | 1380.2 | 1447.3 | 1435.3 |
| 52.5° | 1200.9 | 1204.1 | 1216.2 | 1228.2 | 1248.5 | 1260.5 | 1290.9 | 1313.7 | 1312.4 | 1332.1 | 1359.9 |
| 55°   | 1138.2 | 1124.3 | 1126.8 | 1136.3 | 1149.6 | 1168.0 | 1185.1 | 1220.6 | 1232.6 | 1236.4 | 1280.8 |
| 57.5° | 889.3  | 1032.5 | 1045.1 | 1044.5 | 1060.3 | 1068.6 | 1084.4 | 1107.8 | 1150.9 | 1141.4 | 1190.8 |
| 60°   | 808.2  | 824.1  | 943.8  | 957.7  | 963.4  | 971.0  | 990.0  | 1011.6 | 1043.2 | 1063.5 | 1085.0 |
| 62.5° | 616.3  | 712.6  | 748.7  | 854.5  | 870.9  | 875.4  | 888.0  | 898.2  | 931.1  | 977.4  | 968.5  |
| 65°   | 477.0  | 518.1  | 628.3  | 671.4  | 761.4  | 772.8  | 790.5  | 801.3  | 810.8  | 864.0  | 866.5  |
| 67.5° | 412.4  | 418.7  | 448.5  | 531.4  | 588.4  | 676.5  | 687.3  | 696.8  | 711.3  | 749.3  | 772.8  |
| 70°   | 352.2  | 359.8  | 368.0  | 375.0  | 449.1  | 507.4  | 589.1  | 592.2  | 601.7  | 627.1  | 680.3  |
| 72.5° | 66.5   | 300.9  | 305.9  | 310.4  | 318.6  | 357.2  | 435.2  | 498.5  | 502.3  | 514.3  | 563.1  |
| 75°   | 45.0   | 52.6   | 72.2   | 248.3  | 256.5  | 259.1  | 272.4  | 351.5  | 409.8  | 412.4  | 433.9  |
| 77.5° | 32.3   | 36.1   | 43.7   | 51.9   | 132.4  | 198.9  | 202.1  | 216.6  | 276.8  | 320.5  | 324.3  |
| 80°   | 22.2   | 24.7   | 29.1   | 32.9   | 40.5   | 53.2   | 147.0  | 151.4  | 159.0  | 219.2  | 230.6  |
| 82.5° | 12.7   | 14.6   | 17.1   | 20.9   | 24.1   | 30.4   | 39.3   | 50.7   | 103.2  | 110.2  | 146.3  |
| 85°   | 6.3    | 7.0    | 8.2    | 10.1   | 12.0   | 14.6   | 19.6   | 24.1   | 32.9   | 59.5   | 61.4   |
| 87.5° | 3.2    | 3.2    | 3.2    | 3.2    | 5.1    | 5.7    | 7.0    | 8.9    | 11.4   | 17.1   | 22.2   |
| 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: P1214047

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 178°   | 179°   | 180°   | 181°   | 182°   | 183°   | 184°   | 185°   | 186°   | 187°   | 188°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5°  | 2104.2 | 2113.1 | 2120.7 | 2122.6 | 2122.6 | 2123.8 | 2125.7 | 2127.0 | 2128.3 | 2129.5 | 2128.3 |
| 5°    | 2100.4 | 2109.9 | 2116.2 | 2118.1 | 2118.1 | 2121.9 | 2125.1 | 2128.9 | 2130.8 | 2130.8 | 2129.5 |
| 7.5°  | 2090.9 | 2097.9 | 2106.1 | 2111.2 | 2111.8 | 2118.1 | 2123.8 | 2123.2 | 2125.7 | 2127.0 | 2130.2 |
| 10°   | 2078.2 | 2078.2 | 2092.2 | 2096.0 | 2099.1 | 2106.1 | 2108.0 | 2111.8 | 2120.7 | 2121.9 | 2130.2 |
| 12.5° | 2071.9 | 2065.6 | 2082.0 | 2083.9 | 2094.7 | 2085.8 | 2097.2 | 2101.0 | 2092.2 | 2104.2 | 2088.4 |
| 15°   | 2043.4 | 2051.0 | 2048.5 | 2054.2 | 2073.2 | 2063.0 | 2094.1 | 2083.9 | 2106.7 | 2079.5 | 2127.6 |
| 17.5° | 2019.9 | 2018.7 | 2028.8 | 2033.9 | 2037.7 | 2059.2 | 2067.5 | 2078.9 | 2087.7 | 2080.1 | 2099.1 |
| 20°   | 2002.8 | 1992.7 | 2000.3 | 2006.0 | 2019.3 | 2035.8 | 2040.9 | 2023.8 | 2053.5 | 2104.2 | 2116.2 |
| 22.5° | 1970.5 | 1963.6 | 1972.4 | 1972.4 | 1992.7 | 1990.2 | 2009.2 | 1998.4 | 2026.3 | 2085.2 | 2146.6 |
| 25°   | 1926.8 | 1927.5 | 1937.0 | 1948.4 | 1952.2 | 1980.7 | 1990.8 | 2004.7 | 2039.6 | 2109.9 | 2147.3 |
| 27.5° | 1882.5 | 1878.7 | 1884.4 | 1907.8 | 1927.5 | 1948.4 | 1951.5 | 1999.0 | 2046.6 | 2094.7 | 2127.6 |
| 30°   | 1838.2 | 1834.4 | 1838.2 | 1855.3 | 1878.7 | 1892.6 | 1927.5 | 1990.8 | 2035.2 | 2068.1 | 2099.1 |
| 32.5° | 1790.7 | 1786.9 | 1795.7 | 1808.4 | 1849.6 | 1851.5 | 1920.5 | 1980.0 | 2014.9 | 2039.0 | 2033.3 |
| 35°   | 1740.0 | 1734.9 | 1743.1 | 1762.8 | 1800.8 | 1814.7 | 1886.9 | 1931.3 | 1970.5 | 1981.9 | 1955.3 |
| 37.5° | 1679.2 | 1670.3 | 1680.4 | 1707.7 | 1747.6 | 1788.1 | 1848.3 | 1899.6 | 1920.5 | 1890.1 | 1858.4 |
| 40°   | 1615.8 | 1609.5 | 1627.2 | 1641.2 | 1688.0 | 1744.4 | 1813.5 | 1849.6 | 1836.3 | 1801.4 | 1766.6 |
| 42.5° | 1559.5 | 1546.2 | 1562.0 | 1588.6 | 1641.8 | 1705.8 | 1761.5 | 1781.8 | 1750.1 | 1698.8 | 1658.3 |
| 45°   | 1490.4 | 1474.6 | 1493.6 | 1529.1 | 1586.1 | 1658.9 | 1702.6 | 1695.6 | 1641.8 | 1597.5 | 1541.7 |
| 47.5° | 1418.2 | 1399.2 | 1418.2 | 1460.6 | 1524.6 | 1601.9 | 1633.6 | 1601.9 | 1534.1 | 1478.4 | 1433.4 |
| 50°   | 1347.3 | 1325.1 | 1343.5 | 1407.4 | 1470.1 | 1529.7 | 1529.1 | 1467.6 | 1427.1 | 1366.3 | 1327.0 |
| 52.5° | 1277.0 | 1245.3 | 1263.7 | 1333.3 | 1396.0 | 1463.8 | 1413.8 | 1356.8 | 1308.0 | 1254.8 | 1242.1 |
| 55°   | 1190.2 | 1156.0 | 1180.7 | 1282.0 | 1330.2 | 1370.1 | 1290.3 | 1240.2 | 1192.1 | 1165.5 | 1149.6 |
| 57.5° | 1107.8 | 1070.5 | 1092.0 | 1211.7 | 1247.2 | 1257.3 | 1183.8 | 1112.9 | 1084.4 | 1075.5 | 1052.7 |
| 60°   | 1023.0 | 980.5  | 1000.8 | 1138.9 | 1163.6 | 1122.4 | 1050.2 | 995.1  | 989.4  | 971.7  | 953.9  |
| 62.5° | 941.9  | 895.0  | 907.7  | 1048.3 | 1059.7 | 985.0  | 918.4  | 903.9  | 889.9  | 872.2  | 862.7  |
| 65°   | 848.8  | 800.0  | 817.7  | 952.0  | 941.2  | 845.0  | 807.6  | 804.4  | 786.1  | 771.5  | 785.4  |
| 67.5° | 763.3  | 705.6  | 730.3  | 846.9  | 798.1  | 719.6  | 704.4  | 696.8  | 682.2  | 690.4  | 544.1  |
| 70°   | 669.5  | 606.8  | 640.4  | 733.5  | 661.3  | 609.3  | 603.6  | 592.2  | 592.9  | 471.3  | 397.1  |
| 72.5° | 565.0  | 510.5  | 559.3  | 609.3  | 523.2  | 508.0  | 499.8  | 498.5  | 402.2  | 326.8  | 308.5  |
| 75°   | 473.2  | 418.1  | 470.6  | 489.6  | 416.8  | 406.7  | 406.0  | 335.7  | 264.1  | 252.1  | 246.4  |
| 77.5° | 369.3  | 326.8  | 376.9  | 348.4  | 319.9  | 308.5  | 276.8  | 207.8  | 198.9  | 190.7  | 71.6   |
| 80°   | 248.9  | 252.1  | 281.2  | 240.1  | 228.0  | 194.5  | 153.3  | 147.0  | 126.7  | 50.7   | 39.9   |
| 82.5° | 151.4  | 190.0  | 179.3  | 150.1  | 147.0  | 105.8  | 96.9   | 49.4   | 36.7   | 29.1   | 25.3   |
| 85°   | 78.5   | 96.3   | 92.5   | 81.7   | 60.8   | 54.5   | 30.4   | 23.4   | 19.0   | 14.6   | 12.0   |
| 87.5° | 26.6   | 35.5   | 34.2   | 27.2   | 20.9   | 16.5   | 10.8   | 8.9    | 6.3    | 5.1    | 4.4    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 189°   | 190°   | 191°   | 192°   | 193°   | 194°   | 195°   | 196°   | 197°   | 198°   | 199°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5°  | 2127.0 | 2127.0 | 2125.7 | 2127.0 | 2127.6 | 2126.4 | 2126.4 | 2127.6 | 2128.3 | 2128.9 | 2132.1 |
| 5°    | 2130.2 | 2131.4 | 2133.3 | 2137.1 | 2137.8 | 2145.4 | 2148.5 | 2150.4 | 2152.3 | 2153.0 | 2148.5 |
| 7.5°  | 2137.1 | 2141.6 | 2145.4 | 2144.7 | 2140.3 | 2128.3 | 2124.5 | 2121.3 | 2127.0 | 2141.6 | 2158.7 |
| 10°   | 2143.5 | 2123.2 | 2085.2 | 2137.1 | 2121.3 | 2135.9 | 2178.9 | 2188.4 | 2217.6 | 2258.7 | 2270.8 |
| 12.5° | 2099.8 | 2155.5 | 2167.5 | 2109.3 | 2216.9 | 2177.0 | 2224.5 | 2266.3 | 2278.4 | 2320.2 | 2294.9 |
| 15°   | 2146.6 | 2173.9 | 2192.2 | 2250.5 | 2244.2 | 2278.4 | 2291.7 | 2283.4 | 2285.3 | 2296.1 | 2324.6 |
| 17.5° | 2146.0 | 2200.5 | 2212.5 | 2251.8 | 2278.4 | 2279.0 | 2275.2 | 2271.4 | 2281.5 | 2289.8 | 2272.7 |
| 20°   | 2182.7 | 2200.5 | 2223.9 | 2239.7 | 2244.8 | 2251.1 | 2263.2 | 2253.7 | 2234.7 | 2216.3 | 2208.7 |
| 22.5° | 2164.4 | 2204.3 | 2224.5 | 2227.1 | 2223.9 | 2204.3 | 2186.5 | 2159.9 | 2151.1 | 2141.6 | 2144.7 |
| 25°   | 2168.2 | 2186.5 | 2184.0 | 2173.9 | 2160.6 | 2123.8 | 2115.0 | 2103.6 | 2086.5 | 2045.3 | 2007.9 |
| 27.5° | 2140.9 | 2131.4 | 2120.0 | 2095.3 | 2071.3 | 2051.6 | 2029.5 | 1992.7 | 1962.3 | 1918.0 | 1901.5 |
| 30°   | 2095.3 | 2057.3 | 2029.5 | 2014.9 | 1991.4 | 1958.5 | 1924.9 | 1880.0 | 1841.3 | 1832.5 | 1824.2 |
| 32.5° | 2007.9 | 1970.5 | 1947.7 | 1912.3 | 1872.4 | 1833.1 | 1794.5 | 1776.7 | 1768.5 | 1769.8 | 1762.2 |
| 35°   | 1918.6 | 1885.7 | 1851.5 | 1798.3 | 1768.5 | 1729.2 | 1715.3 | 1711.5 | 1703.9 | 1695.6 | 1686.8 |
| 37.5° | 1823.6 | 1785.0 | 1733.6 | 1702.0 | 1672.2 | 1656.4 | 1649.4 | 1643.7 | 1630.4 | 1615.8 | 1605.7 |
| 40°   | 1731.7 | 1662.1 | 1633.6 | 1602.5 | 1593.7 | 1586.7 | 1576.6 | 1562.6 | 1544.3 | 1541.7 | 1537.3 |
| 42.5° | 1608.9 | 1558.8 | 1534.1 | 1527.8 | 1517.0 | 1505.0 | 1496.1 | 1480.9 | 1473.3 | 1478.4 | 1482.2 |
| 45°   | 1492.3 | 1467.0 | 1458.7 | 1451.1 | 1430.9 | 1413.8 | 1408.1 | 1403.0 | 1409.3 | 1437.2 | 1370.7 |
| 47.5° | 1397.9 | 1387.8 | 1377.7 | 1365.0 | 1346.0 | 1333.3 | 1339.0 | 1344.1 | 1349.8 | 1145.2 | 1045.1 |
| 50°   | 1316.2 | 1302.3 | 1286.5 | 1272.5 | 1261.1 | 1259.9 | 1289.6 | 1200.3 | 1005.2 | 1000.2 | 898.8  |
| 52.5° | 1226.9 | 1206.0 | 1196.5 | 1188.3 | 1193.3 | 1212.3 | 1003.3 | 931.1  | 893.1  | 775.9  | 724.0  |
| 55°   | 1130.6 | 1112.3 | 1112.3 | 1119.9 | 1092.6 | 885.5  | 874.7  | 756.3  | 684.7  | 664.4  | 656.2  |
| 57.5° | 1034.4 | 1032.5 | 1043.2 | 953.9  | 803.8  | 770.9  | 648.0  | 622.0  | 610.6  | 608.1  | 594.8  |
| 60°   | 946.3  | 964.1  | 807.0  | 742.4  | 645.4  | 582.1  | 564.4  | 561.2  | 549.2  | 544.7  | 532.7  |
| 62.5° | 876.0  | 726.5  | 676.5  | 552.3  | 520.0  | 511.8  | 502.3  | 497.9  | 487.1  | 430.1  | 126.0  |
| 65°   | 632.8  | 597.9  | 485.2  | 464.3  | 461.8  | 449.7  | 445.9  | 400.9  | 94.4   | 63.3   | 53.8   |
| 67.5° | 477.6  | 423.8  | 409.2  | 405.4  | 393.3  | 369.3  | 109.6  | 62.7   | 53.8   | 46.9   | 41.2   |
| 70°   | 366.7  | 357.2  | 346.5  | 337.6  | 99.4   | 62.1   | 53.8   | 45.6   | 39.3   | 34.8   | 31.7   |
| 72.5° | 300.2  | 293.9  | 171.0  | 65.2   | 53.2   | 45.0   | 39.9   | 34.8   | 30.4   | 27.9   | 25.3   |
| 75°   | 235.0  | 65.2   | 53.8   | 45.0   | 38.6   | 32.9   | 29.1   | 26.0   | 23.4   | 21.5   | 19.6   |
| 77.5° | 53.2   | 43.1   | 36.7   | 31.0   | 27.9   | 24.7   | 22.2   | 19.0   | 17.1   | 15.2   | 12.7   |
| 80°   | 32.9   | 28.5   | 24.1   | 22.2   | 19.0   | 15.8   | 13.9   | 12.7   | 10.1   | 9.5    | 8.2    |
| 82.5° | 21.5   | 17.1   | 15.2   | 12.7   | 10.1   | 9.5    | 8.2    | 6.3    | 5.7    | 5.1    | 4.4    |
| 85°   | 9.5    | 8.2    | 7.0    | 5.7    | 4.4    | 3.8    | 3.2    | 2.5    | 2.5    | 2.5    | 2.5    |
| 87.5° | 3.2    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.3    | 1.3    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 200°   | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5°  | 2133.3 | 2144.7 | 2155.5 | 2152.3 | 2140.9 | 2123.2 | 2118.1 | 2111.2 | 2116.2 | 2127.0 | 2131.4 |
| 5°    | 2148.5 | 2142.2 | 2165.0 | 2198.6 | 2253.0 | 2258.1 | 2296.1 | 2305.0 | 2335.4 | 2354.4 | 2353.8 |
| 7.5°  | 2170.1 | 2260.0 | 2297.4 | 2337.9 | 2356.3 | 2351.9 | 2357.6 | 2353.1 | 2346.2 | 2343.0 | 2339.2 |
| 10°   | 2279.6 | 2348.1 | 2362.0 | 2362.0 | 2333.5 | 2294.9 | 2278.4 | 2249.9 | 2192.9 | 2194.1 | 2184.6 |
| 12.5° | 2343.6 | 2367.7 | 2334.8 | 2306.9 | 2192.2 | 2147.9 | 2099.8 | 2077.0 | 2063.7 | 2043.4 | 2051.0 |
| 15°   | 2310.1 | 2275.8 | 2256.2 | 2166.3 | 2096.0 | 2016.1 | 2017.4 | 2003.5 | 1988.9 | 1990.2 | 1980.7 |
| 17.5° | 2260.6 | 2233.4 | 2094.1 | 2032.0 | 1997.8 | 1966.7 | 1961.0 | 1942.7 | 1933.2 | 1930.0 | 1929.4 |
| 20°   | 2192.9 | 2094.7 | 1990.8 | 1975.6 | 1934.4 | 1899.0 | 1893.3 | 1899.0 | 1928.1 | 1876.2 | 1700.1 |
| 22.5° | 2113.7 | 1972.4 | 1942.0 | 1899.0 | 1871.1 | 1857.2 | 1892.0 | 1733.6 | 1494.2 | 1523.4 | 1492.3 |
| 25°   | 1979.4 | 1918.0 | 1866.0 | 1833.1 | 1829.9 | 1744.4 | 1453.7 | 1423.3 | 1269.4 | 1187.0 | 1094.5 |
| 27.5° | 1881.2 | 1854.6 | 1800.2 | 1794.5 | 1753.3 | 1426.4 | 1275.1 | 1107.8 | 1046.4 | 1036.9 | 1016.6 |
| 30°   | 1821.7 | 1783.7 | 1750.7 | 1607.0 | 1399.2 | 1148.4 | 1023.0 | 999.5  | 988.8  | 977.4  | 959.6  |
| 32.5° | 1750.1 | 1714.0 | 1729.8 | 1351.1 | 1115.4 | 988.8  | 963.4  | 946.3  | 926.7  | 919.1  | 855.1  |
| 35°   | 1677.3 | 1660.8 | 1351.7 | 1135.7 | 959.0  | 928.6  | 909.6  | 891.8  | 709.4  | 171.7  | 58.3   |
| 37.5° | 1599.4 | 1595.6 | 1214.9 | 942.5  | 898.2  | 869.7  | 815.8  | 168.5  | 39.9   | 27.2   | 20.3   |
| 40°   | 1538.6 | 1215.5 | 960.3  | 883.6  | 847.5  | 802.5  | 112.7  | 27.9   | 17.7   | 10.8   | 7.0    |
| 42.5° | 1498.0 | 1093.3 | 859.5  | 829.1  | 750.6  | 83.0   | 28.5   | 12.0   | 7.0    | 5.7    | 4.4    |
| 45°   | 1154.7 | 863.3  | 803.2  | 771.5  | 95.0   | 28.5   | 16.5   | 5.7    | 4.4    | 3.8    | 2.5    |
| 47.5° | 1065.4 | 784.2  | 748.7  | 168.5  | 31.7   | 15.2   | 11.4   | 3.8    | 2.5    | 2.5    | 2.5    |
| 50°   | 807.0  | 724.6  | 596.0  | 41.2   | 20.3   | 10.8   | 8.2    | 2.5    | 2.5    | 2.5    | 1.9    |
| 52.5° | 707.5  | 668.9  | 64.0   | 27.2   | 15.8   | 8.2    | 5.1    | 1.9    | 1.9    | 1.9    | 1.9    |
| 55°   | 646.7  | 424.4  | 38.0   | 20.9   | 13.3   | 7.6    | 3.2    | 1.9    | 1.9    | 1.9    | 1.3    |
| 57.5° | 591.6  | 57.0   | 27.9   | 17.7   | 12.0   | 7.0    | 1.9    | 1.9    | 1.9    | 1.9    | 1.3    |
| 60°   | 501.7  | 41.2   | 22.8   | 15.8   | 11.4   | 6.3    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 62.5° | 65.2   | 32.3   | 19.6   | 13.9   | 8.2    | 5.1    | 1.3    | 1.9    | 1.9    | 1.9    | 1.9    |
| 65°   | 47.5   | 25.3   | 17.7   | 9.5    | 5.1    | 1.9    | 1.3    | 1.9    | 1.9    | 1.9    | 1.9    |
| 67.5° | 36.7   | 20.9   | 13.3   | 8.2    | 4.4    | 1.3    | 1.3    | 1.9    | 1.9    | 1.9    | 1.9    |
| 70°   | 29.1   | 17.7   | 10.8   | 7.0    | 3.8    | 1.3    | 1.3    | 1.9    | 1.9    | 1.9    | 1.9    |
| 72.5° | 22.8   | 12.7   | 7.6    | 3.8    | 2.5    | 1.3    | 1.3    | 1.9    | 1.9    | 1.9    | 1.9    |
| 75°   | 17.1   | 10.1   | 5.7    | 3.2    | 1.3    | 1.3    | 1.3    | 1.9    | 1.9    | 1.9    | 1.9    |
| 77.5° | 11.4   | 6.3    | 4.4    | 2.5    | 2.5    | 2.5    | 3.2    | 3.2    | 1.9    | 1.9    | 1.9    |
| 80°   | 7.6    | 4.4    | 3.2    | 3.2    | 3.2    | 2.5    | 3.2    | 3.2    | 1.9    | 3.2    | 1.9    |
| 82.5° | 3.8    | 3.2    | 3.2    | 2.5    | 2.5    | 1.9    | 2.5    | 2.5    | 2.5    | 2.5    | 1.9    |
| 85°   | 2.5    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.5    | 2.5    | 1.9    |
| 87.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.9    | 1.9    | 1.9    | 1.9    | 2.5    | 2.5    | 1.9    |
| 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: P1214047

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5°  | 2125.7 | 2127.6 | 2122.6 | 2149.8 | 2135.9 | 2137.1 | 2142.8 | 2128.3 | 2131.4 | 2121.3 | 2114.3 |
| 5°    | 2356.3 | 2360.1 | 2363.9 | 2365.2 | 2367.7 | 2370.9 | 2367.1 | 2365.2 | 2361.4 | 2348.7 | 2335.4 |
| 7.5°  | 2320.2 | 2315.8 | 2313.9 | 2316.4 | 2320.8 | 2322.7 | 2319.6 | 2324.0 | 2340.5 | 2347.4 | 2351.9 |
| 10°   | 2130.2 | 2109.9 | 2123.8 | 2121.9 | 2106.1 | 2159.3 | 2144.7 | 2153.0 | 2158.7 | 2216.9 | 2252.4 |
| 12.5° | 2039.6 | 2052.3 | 2028.2 | 2016.1 | 2032.0 | 2042.8 | 2053.5 | 2030.7 | 2062.4 | 2047.8 | 2094.7 |
| 15°   | 1963.6 | 1956.0 | 1953.4 | 1954.1 | 1950.9 | 1966.1 | 1969.9 | 1975.0 | 1979.4 | 1999.0 | 2006.6 |
| 17.5° | 1929.4 | 1942.0 | 1947.1 | 1950.9 | 1944.6 | 1937.6 | 1930.6 | 1920.5 | 1923.7 | 1918.6 | 1933.2 |
| 20°   | 1581.6 | 1539.2 | 1536.7 | 1561.4 | 1534.1 | 1549.3 | 1586.1 | 1831.8 | 1823.6 | 1919.2 | 1886.9 |
| 22.5° | 1320.0 | 1280.1 | 1245.9 | 1216.2 | 1258.6 | 1276.3 | 1344.7 | 1422.0 | 1547.4 | 1527.8 | 1664.0 |
| 25°   | 1078.1 | 1063.5 | 1054.6 | 1050.2 | 1053.4 | 1052.1 | 1067.3 | 1103.4 | 1160.4 | 1294.7 | 1468.2 |
| 27.5° | 1008.4 | 1001.4 | 998.3  | 988.1  | 995.7  | 993.2  | 1005.2 | 1012.8 | 1029.9 | 1043.2 | 1099.6 |
| 30°   | 953.3  | 945.1  | 939.3  | 928.6  | 936.2  | 936.8  | 940.6  | 960.3  | 967.2  | 978.6  | 996.4  |
| 32.5° | 348.4  | 205.2  | 192.6  | 183.1  | 200.2  | 261.0  | 458.0  | 800.6  | 913.4  | 922.2  | 942.5  |
| 35°   | 34.2   | 28.5   | 25.3   | 25.3   | 26.0   | 28.5   | 38.0   | 100.1  | 183.1  | 707.5  | 885.5  |
| 37.5° | 13.3   | 11.4   | 9.5    | 8.9    | 9.5    | 10.8   | 14.6   | 19.0   | 26.0   | 53.8   | 240.1  |
| 40°   | 5.7    | 5.1    | 4.4    | 4.4    | 4.4    | 4.4    | 5.1    | 6.3    | 9.5    | 17.7   | 27.9   |
| 42.5° | 3.8    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 4.4    | 5.7    | 11.4   |
| 45°   | 2.5    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.5    | 3.2    | 5.1    |
| 47.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.5    |
| 50°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.3    | 1.9    | 1.3    | 1.9    | 1.9    | 1.9    | 1.9    |
| 52.5° | 1.9    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.9    | 1.9    |
| 55°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.9    |
| 57.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 60°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 62.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.9    | 1.9    | 1.3    |
| 65°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.9    | 1.3    |
| 67.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 70°   | 1.9    | 1.9    | 1.3    | 1.9    | 1.3    | 1.3    | 1.9    | 1.9    | 1.9    | 1.3    | 1.3    |
| 72.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 3.8    | 3.8    | 2.5    |
| 75°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 3.2    | 3.8    | 3.2    |
| 77.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 3.2    | 3.2    | 3.2    |
| 80°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.5    | 2.5    | 2.5    |
| 82.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.5    | 2.5    | 2.5    |
| 85°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 87.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 340°   | 341°   | 342°   | 343°   | 344°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5°  | 2102.3 | 2101.7 | 2115.0 | 2125.1 | 2121.3 | 2125.1 | 2129.5 | 2130.2 | 2131.4 | 2126.4 | 2124.5 |
| 5°    | 2310.1 | 2290.4 | 2252.4 | 2225.2 | 2193.5 | 2135.9 | 2107.4 | 2110.5 | 2111.2 | 2109.3 | 2111.8 |
| 7.5°  | 2350.0 | 2348.1 | 2334.8 | 2329.1 | 2307.5 | 2266.3 | 2200.5 | 2189.1 | 2161.2 | 2143.5 | 2128.9 |
| 10°   | 2249.9 | 2295.5 | 2307.5 | 2327.8 | 2340.5 | 2332.9 | 2277.1 | 2268.9 | 2251.1 | 2230.9 | 2235.3 |
| 12.5° | 2141.6 | 2178.9 | 2180.8 | 2291.0 | 2315.8 | 2318.3 | 2296.8 | 2308.2 | 2310.7 | 2265.1 | 2238.5 |
| 15°   | 2008.5 | 2026.3 | 2063.7 | 2166.3 | 2241.0 | 2287.9 | 2301.8 | 2308.2 | 2277.1 | 2275.2 | 2264.4 |
| 17.5° | 1950.3 | 1961.7 | 1978.8 | 2036.4 | 2149.8 | 2218.8 | 2277.7 | 2273.3 | 2285.3 | 2276.5 | 2249.2 |
| 20°   | 1876.8 | 1886.3 | 1916.7 | 1945.8 | 2001.6 | 2093.4 | 2203.6 | 2211.9 | 2227.7 | 2225.8 | 2233.4 |
| 22.5° | 1875.5 | 1842.0 | 1847.0 | 1869.8 | 1928.1 | 2010.4 | 2127.6 | 2154.9 | 2165.0 | 2172.0 | 2180.2 |
| 25°   | 1487.9 | 1754.6 | 1803.3 | 1817.9 | 1855.9 | 1904.0 | 2042.1 | 2052.3 | 2071.3 | 2102.3 | 2125.1 |
| 27.5° | 1289.0 | 1470.1 | 1665.2 | 1766.6 | 1790.7 | 1830.6 | 1912.9 | 1928.1 | 1992.7 | 2000.3 | 2035.8 |
| 30°   | 1017.3 | 1157.2 | 1448.6 | 1692.5 | 1732.4 | 1760.3 | 1818.5 | 1848.9 | 1876.8 | 1907.2 | 1944.6 |
| 32.5° | 957.1  | 979.3  | 1140.8 | 1400.5 | 1710.8 | 1689.9 | 1733.0 | 1751.4 | 1781.8 | 1808.4 | 1835.6 |
| 35°   | 902.0  | 917.2  | 951.4  | 1147.1 | 1393.5 | 1632.3 | 1661.4 | 1673.5 | 1690.6 | 1710.8 | 1730.5 |
| 37.5° | 844.3  | 867.1  | 890.6  | 943.1  | 1289.0 | 1586.7 | 1586.1 | 1600.0 | 1610.1 | 1627.2 | 1643.7 |
| 40°   | 153.3  | 796.2  | 834.2  | 868.4  | 999.5  | 1265.6 | 1515.1 | 1521.5 | 1528.4 | 1539.2 | 1556.3 |
| 42.5° | 24.7   | 133.0  | 781.6  | 814.6  | 851.9  | 1133.2 | 1482.8 | 1456.8 | 1452.4 | 1460.0 | 1475.2 |
| 45°   | 12.7   | 32.3   | 157.1  | 760.7  | 794.3  | 903.9  | 1212.3 | 1411.9 | 1407.4 | 1392.9 | 1396.0 |
| 47.5° | 9.5    | 20.3   | 38.6   | 262.9  | 743.6  | 775.9  | 1118.6 | 1106.6 | 1190.8 | 1352.3 | 1327.6 |
| 50°   | 8.2    | 13.9   | 22.8   | 53.8   | 656.8  | 714.5  | 861.4  | 1006.5 | 1050.8 | 1056.5 | 1250.4 |
| 52.5° | 7.6    | 9.5    | 16.5   | 34.8   | 138.1  | 660.6  | 700.6  | 751.2  | 826.0  | 986.2  | 982.4  |
| 55°   | 7.0    | 8.9    | 13.9   | 23.4   | 48.1   | 595.4  | 636.6  | 646.1  | 661.9  | 738.6  | 839.9  |
| 57.5° | 3.8    | 8.2    | 13.3   | 20.3   | 36.1   | 108.9  | 577.7  | 585.3  | 597.9  | 601.1  | 637.2  |
| 60°   | 1.9    | 7.6    | 12.0   | 17.7   | 26.6   | 50.7   | 519.4  | 528.3  | 535.9  | 537.1  | 548.5  |
| 62.5° | 1.3    | 7.0    | 10.1   | 16.5   | 22.2   | 36.1   | 122.9  | 250.8  | 477.0  | 477.0  | 490.3  |
| 65°   | 1.3    | 5.1    | 6.3    | 10.8   | 20.3   | 29.8   | 51.9   | 60.2   | 117.2  | 288.2  | 430.1  |
| 67.5° | 1.3    | 1.9    | 5.7    | 8.9    | 15.2   | 22.8   | 38.0   | 44.3   | 53.2   | 60.8   | 112.7  |
| 70°   | 1.3    | 1.3    | 5.1    | 5.7    | 9.5    | 17.1   | 27.2   | 31.0   | 36.1   | 41.2   | 47.5   |
| 72.5° | 1.3    | 1.3    | 4.4    | 4.4    | 6.3    | 11.4   | 20.9   | 22.8   | 26.0   | 29.1   | 33.6   |
| 75°   | 3.2    | 2.5    | 3.8    | 3.8    | 4.4    | 8.9    | 15.8   | 17.7   | 19.0   | 21.5   | 24.7   |
| 77.5° | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 5.7    | 10.1   | 11.4   | 13.3   | 14.6   | 17.1   |
| 80°   | 2.5    | 2.5    | 2.5    | 3.2    | 3.2    | 3.8    | 6.3    | 7.0    | 7.6    | 9.5    | 10.1   |
| 82.5° | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    | 3.8    | 4.4    | 5.7    |
| 85°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.5    | 2.5    | 2.5    | 2.5    |
| 87.5° | 1.9    | 1.9    | 1.9    | 1.3    | 1.3    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 345°   | 346°   | 347°   | 348°   | 349°   | 350°   | 351°   | 352°   | 353°   | 354°   | 355°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5°  | 2123.8 | 2120.0 | 2116.9 | 2118.8 | 2113.1 | 2110.5 | 2112.4 | 2113.1 | 2114.3 | 2117.5 | 2118.1 |
| 5°    | 2118.1 | 2116.9 | 2122.6 | 2125.7 | 2124.5 | 2125.7 | 2125.7 | 2123.2 | 2119.4 | 2121.9 | 2116.2 |
| 7.5°  | 2114.3 | 2106.1 | 2099.8 | 2101.0 | 2094.7 | 2102.3 | 2109.3 | 2119.4 | 2122.6 | 2122.6 | 2116.2 |
| 10°   | 2179.6 | 2170.7 | 2135.2 | 2111.2 | 2095.3 | 2081.4 | 2114.3 | 2080.8 | 2096.6 | 2036.4 | 2105.5 |
| 12.5° | 2233.4 | 2245.4 | 2229.6 | 2163.7 | 2152.3 | 2110.5 | 2134.6 | 2093.4 | 2081.4 | 2012.3 | 2034.5 |
| 15°   | 2254.9 | 2232.1 | 2227.1 | 2208.7 | 2184.0 | 2172.0 | 2107.4 | 2100.4 | 2080.8 | 2088.4 | 2059.2 |
| 17.5° | 2235.9 | 2247.3 | 2232.1 | 2220.1 | 2194.8 | 2166.3 | 2127.6 | 2093.4 | 2066.2 | 2005.4 | 2056.7 |
| 20°   | 2217.6 | 2232.8 | 2187.2 | 2194.8 | 2197.3 | 2164.4 | 2144.1 | 2115.6 | 2081.4 | 2024.4 | 1980.0 |
| 22.5° | 2187.2 | 2176.4 | 2180.2 | 2168.8 | 2159.3 | 2163.7 | 2135.9 | 2116.2 | 2058.6 | 2032.6 | 1972.4 |
| 25°   | 2137.8 | 2134.0 | 2144.1 | 2142.8 | 2120.0 | 2112.4 | 2098.5 | 2077.6 | 2054.8 | 2013.0 | 1963.6 |
| 27.5° | 2057.3 | 2077.0 | 2094.7 | 2102.9 | 2090.9 | 2070.6 | 2063.0 | 2051.0 | 2035.2 | 1992.7 | 1956.0 |
| 30°   | 1972.4 | 1994.6 | 2014.9 | 2032.6 | 2043.4 | 2034.5 | 2027.6 | 2020.6 | 1996.5 | 1968.6 | 1927.5 |
| 32.5° | 1875.5 | 1904.7 | 1932.5 | 1954.1 | 1977.5 | 1984.5 | 1979.4 | 1973.7 | 1953.4 | 1928.1 | 1895.2 |
| 35°   | 1763.4 | 1803.3 | 1843.9 | 1882.5 | 1892.6 | 1909.1 | 1925.6 | 1916.1 | 1905.3 | 1880.0 | 1849.6 |
| 37.5° | 1668.4 | 1696.9 | 1726.0 | 1774.8 | 1810.3 | 1831.2 | 1860.3 | 1864.1 | 1845.8 | 1833.7 | 1793.8 |
| 40°   | 1570.2 | 1596.2 | 1638.6 | 1667.1 | 1715.9 | 1740.0 | 1771.0 | 1785.0 | 1780.5 | 1773.6 | 1738.7 |
| 42.5° | 1493.0 | 1505.6 | 1533.5 | 1558.8 | 1607.0 | 1656.4 | 1683.6 | 1698.8 | 1714.6 | 1708.9 | 1691.2 |
| 45°   | 1410.6 | 1422.0 | 1431.5 | 1453.7 | 1500.6 | 1544.3 | 1577.8 | 1600.6 | 1629.1 | 1642.4 | 1620.9 |
| 47.5° | 1328.9 | 1332.1 | 1343.5 | 1361.8 | 1389.7 | 1423.3 | 1479.6 | 1513.9 | 1540.5 | 1566.4 | 1552.5 |
| 50°   | 1266.2 | 1254.8 | 1256.7 | 1268.1 | 1290.9 | 1323.8 | 1364.4 | 1412.5 | 1442.9 | 1474.6 | 1477.7 |
| 52.5° | 1106.6 | 1199.0 | 1176.9 | 1183.2 | 1195.2 | 1211.1 | 1253.5 | 1301.0 | 1338.4 | 1365.6 | 1392.9 |
| 55°   | 928.6  | 947.0  | 1124.9 | 1099.6 | 1107.2 | 1121.1 | 1140.8 | 1188.3 | 1224.4 | 1262.4 | 1300.4 |
| 57.5° | 720.2  | 857.0  | 864.0  | 1028.7 | 1024.9 | 1026.1 | 1042.6 | 1069.8 | 1105.9 | 1153.4 | 1185.7 |
| 60°   | 559.9  | 617.6  | 729.7  | 786.7  | 931.1  | 936.2  | 945.7  | 961.5  | 992.6  | 1037.5 | 1088.8 |
| 62.5° | 494.1  | 501.7  | 541.6  | 627.1  | 720.8  | 834.2  | 854.5  | 857.0  | 870.9  | 915.9  | 975.5  |
| 65°   | 433.9  | 439.0  | 451.0  | 459.9  | 538.4  | 648.0  | 745.5  | 761.4  | 770.2  | 796.8  | 847.5  |
| 67.5° | 299.0  | 378.1  | 388.9  | 395.2  | 402.8  | 453.5  | 574.5  | 654.9  | 665.1  | 688.5  | 732.9  |
| 70°   | 57.6   | 119.7  | 327.5  | 334.4  | 338.2  | 349.6  | 369.3  | 497.2  | 564.4  | 586.5  | 606.8  |
| 72.5° | 39.3   | 46.2   | 55.7   | 131.7  | 278.7  | 285.0  | 289.5  | 305.9  | 419.3  | 483.9  | 494.7  |
| 75°   | 28.5   | 31.7   | 37.4   | 46.2   | 57.0   | 185.6  | 229.9  | 238.2  | 246.4  | 340.1  | 394.6  |
| 77.5° | 20.3   | 22.8   | 25.3   | 29.8   | 34.8   | 45.0   | 64.6   | 178.0  | 186.2  | 190.7  | 269.2  |
| 80°   | 11.4   | 13.9   | 17.1   | 19.6   | 22.2   | 25.3   | 32.9   | 41.2   | 91.8   | 134.3  | 141.3  |
| 82.5° | 6.3    | 7.6    | 8.9    | 10.8   | 12.0   | 15.2   | 18.4   | 22.2   | 29.1   | 43.1   | 91.2   |
| 85°   | 3.2    | 3.2    | 3.2    | 4.4    | 5.1    | 7.0    | 8.2    | 9.5    | 13.3   | 18.4   | 25.3   |
| 87.5° | 1.9    | 1.9    | 2.5    | 2.5    | 2.5    | 3.2    | 3.2    | 3.2    | 3.8    | 5.7    | 8.2    |
| 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: P1214047

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 356°   | 357°   | 358°   | 359°   | 360°   |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5°  | 2118.8 | 2116.9 | 2116.9 | 2124.5 | 2122.6 |
| 5°    | 2115.0 | 2113.1 | 2112.4 | 2120.7 | 2116.9 |
| 7.5°  | 2111.8 | 2104.8 | 2102.9 | 2110.5 | 2107.4 |
| 10°   | 2099.1 | 2094.1 | 2097.2 | 2094.7 | 2093.4 |
| 12.5° | 2077.6 | 2074.4 | 2061.1 | 2062.4 | 2073.2 |
| 15°   | 2039.0 | 2051.6 | 2028.8 | 2049.1 | 2053.5 |
| 17.5° | 1968.0 | 1996.5 | 2018.7 | 2030.7 | 2032.6 |
| 20°   | 1999.7 | 2009.2 | 1997.8 | 1998.4 | 2006.0 |
| 22.5° | 1958.5 | 1962.9 | 1966.1 | 1962.3 | 1978.8 |
| 25°   | 1892.6 | 1875.5 | 1912.3 | 1919.9 | 1946.5 |
| 27.5° | 1872.4 | 1858.4 | 1875.5 | 1874.3 | 1896.4 |
| 30°   | 1855.9 | 1810.9 | 1818.5 | 1830.6 | 1857.8 |
| 32.5° | 1832.5 | 1761.5 | 1753.9 | 1780.5 | 1810.9 |
| 35°   | 1791.3 | 1724.1 | 1706.4 | 1723.5 | 1769.1 |
| 37.5° | 1756.5 | 1672.2 | 1636.7 | 1659.5 | 1719.1 |
| 40°   | 1704.5 | 1631.7 | 1576.6 | 1596.8 | 1667.1 |
| 42.5° | 1642.4 | 1596.8 | 1512.0 | 1525.9 | 1606.3 |
| 45°   | 1579.7 | 1539.2 | 1449.2 | 1456.2 | 1551.9 |
| 47.5° | 1515.8 | 1478.4 | 1384.0 | 1385.3 | 1482.2 |
| 50°   | 1453.0 | 1403.6 | 1325.7 | 1303.6 | 1408.1 |
| 52.5° | 1371.3 | 1325.7 | 1266.8 | 1230.7 | 1337.8 |
| 55°   | 1294.1 | 1242.8 | 1199.7 | 1143.9 | 1258.0 |
| 57.5° | 1218.7 | 1161.7 | 1132.5 | 1061.0 | 1167.4 |
| 60°   | 1115.4 | 1088.2 | 1045.1 | 976.7  | 1085.7 |
| 62.5° | 1009.7 | 1000.8 | 957.1  | 886.1  | 985.0  |
| 65°   | 886.1  | 907.0  | 862.1  | 801.3  | 880.4  |
| 67.5° | 769.6  | 807.0  | 757.6  | 720.2  | 779.7  |
| 70°   | 645.4  | 688.5  | 660.6  | 647.3  | 672.7  |
| 72.5° | 523.2  | 565.0  | 567.5  | 558.0  | 566.3  |
| 75°   | 404.1  | 450.4  | 475.7  | 461.1  | 463.0  |
| 77.5° | 306.6  | 328.7  | 356.6  | 368.0  | 365.5  |
| 80°   | 189.4  | 228.0  | 250.8  | 274.3  | 266.0  |
| 82.5° | 95.6   | 127.9  | 155.8  | 181.2  | 169.1  |
| 85°   | 39.9   | 51.3   | 71.6   | 94.4   | 90.6   |
| 87.5° | 12.0   | 20.3   | 21.5   | 30.4   | 28.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)