

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P252510

Luminaire Tested: **LE\_6B50D010R EC6B30509024 6LBLWW1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252510  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-6)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LE\_6B50D010R EC6B30509024 6LBLWW1H  
Description: PORTFOLIO 6 INCH LENS WALLWASH RECESSED DOWNLIGHT, WITH HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4098.7 lumens  
Efficiency: N/A  
Efficacy: 69.7 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.02 / 1.12  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

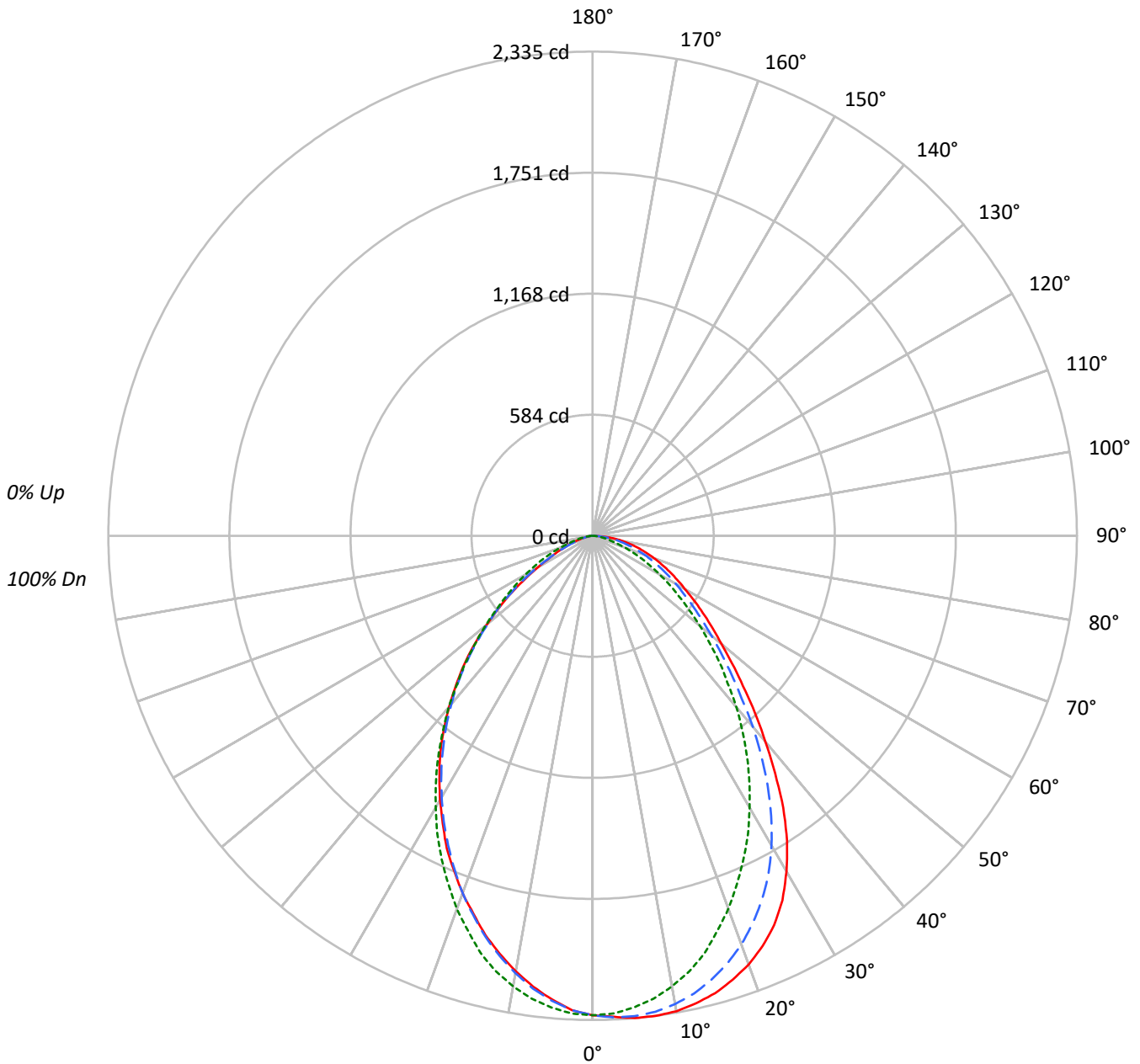
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     |     |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |     | 0   |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1   | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99  | 100 | 98  | 96  | 97  | 95  | 93  | 93  | 91  | 90  | 88  | 88  | 88  | 88  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 90  | 86  | 82  | 87  | 84  | 80  | 84  | 81  | 79  | 77  | 77  | 77  | 77  |
| 3   | 95  | 86  | 79  | 73  | 93  | 84  | 78  | 73  | 81  | 76  | 71  | 79  | 74  | 70  | 76  | 72  | 69  | 67  | 67  | 67  | 67  |
| 4   | 88  | 78  | 70  | 64  | 86  | 76  | 69  | 64  | 74  | 68  | 63  | 72  | 66  | 62  | 70  | 65  | 61  | 59  | 59  | 59  | 59  |
| 5   | 82  | 70  | 62  | 57  | 80  | 69  | 62  | 56  | 67  | 61  | 56  | 65  | 60  | 55  | 64  | 59  | 55  | 53  | 53  | 53  | 53  |
| 6   | 76  | 64  | 56  | 51  | 74  | 63  | 56  | 50  | 62  | 55  | 50  | 60  | 54  | 50  | 59  | 53  | 49  | 47  | 47  | 47  | 47  |
| 7   | 71  | 59  | 51  | 46  | 69  | 58  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 43  | 43  | 43  | 43  |
| 8   | 67  | 54  | 47  | 41  | 65  | 54  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 39  | 39  | 39  | 39  |
| 9   | 63  | 50  | 43  | 38  | 61  | 50  | 43  | 38  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 35  | 35  | 35  | 35  |
| 10  | 59  | 47  | 39  | 35  | 58  | 46  | 39  | 35  | 45  | 39  | 34  | 44  | 38  | 34  | 44  | 38  | 34  | 33  | 33  | 33  | 33  |

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

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 150849 | 150849 | 150849 |
| 5°  | 152906 | 149539 | 147018 |
| 10° | 154250 | 146168 | 141272 |
| 15° | 154226 | 140771 | 134706 |
| 20° | 152734 | 132891 | 127316 |
| 25° | 149110 | 123915 | 119754 |
| 30° | 140806 | 113949 | 110808 |
| 35° | 127630 | 103338 | 102056 |
| 40° | 110221 | 91902  | 91630  |
| 45° | 94525  | 80002  | 80593  |
| 50° | 82131  | 68449  | 67475  |
| 55° | 73797  | 57713  | 54051  |
| 60° | 67054  | 48604  | 39810  |
| 65° | 62969  | 40152  | 29254  |
| 70° | 60048  | 31245  | 21440  |
| 75° | 57472  | 22661  | 14570  |
| 80° | 54289  | 15705  | 9693   |
| 85° | 48057  | 9656   | 4791   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 216.3  | 5.3       |
| 10°-20°   | 592.4  | 14.5      |
| 20°-30°   | 822.4  | 20.1      |
| 30°-40°   | 851.9  | 20.8      |
| 40°-50°   | 700.0  | 17.1      |
| 50°-60°   | 481.1  | 11.7      |
| 60°-70°   | 276.6  | 6.7       |
| 70°-80°   | 127.1  | 3.1       |
| 80°-90°   | 31.0   | 0.8       |
| 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°    | 1631.1 | 39.8      |
| 0°-40°    | 2483.0 | 60.6      |
| 0°-60°    | 3664.1 | 89.4      |
| 0°-90°    | 4098.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4098.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2312 | 2312 | 2312 | 2312 | 2312 |      |
| 5°  | 2335 | 2325 | 2283 | 2251 | 2245 | 223  |
| 15° | 2283 | 2216 | 2084 | 2001 | 1994 | 643  |
| 25° | 2071 | 1933 | 1721 | 1648 | 1664 | 948  |
| 35° | 1602 | 1471 | 1298 | 1259 | 1281 | 994  |
| 45° | 1024 | 947  | 867  | 858  | 874  | 798  |
| 55° | 649  | 588  | 507  | 478  | 475  | 584  |
| 65° | 408  | 356  | 260  | 183  | 190  | 406  |
| 75° | 228  | 180  | 90   | 58   | 58   | 241  |
| 85° | 64   | 45   | 13   | 6    | 6    | 72   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 |
| 2.5°  | 2321.9 | 2341.2 | 2328.4 | 2325.1 | 2331.6 | 2331.6 | 2331.6 | 2321.9 | 2328.4 | 2318.8 | 2325.1 |
| 5°    | 2334.8 | 2350.9 | 2338.0 | 2331.6 | 2338.0 | 2341.2 | 2331.6 | 2325.1 | 2334.8 | 2321.9 | 2325.1 |
| 7.5°  | 2334.8 | 2350.9 | 2338.0 | 2334.8 | 2338.0 | 2338.0 | 2334.8 | 2321.9 | 2328.4 | 2315.5 | 2315.5 |
| 10°   | 2328.4 | 2341.2 | 2328.4 | 2321.9 | 2325.1 | 2321.9 | 2321.9 | 2305.9 | 2309.1 | 2293.0 | 2293.0 |
| 12.5° | 2309.1 | 2325.1 | 2309.1 | 2302.6 | 2302.6 | 2302.6 | 2293.0 | 2280.1 | 2283.4 | 2264.1 | 2260.9 |
| 15°   | 2283.4 | 2296.2 | 2280.1 | 2273.8 | 2273.8 | 2270.5 | 2264.1 | 2244.9 | 2244.9 | 2225.6 | 2216.0 |
| 17.5° | 2244.9 | 2257.8 | 2244.9 | 2235.2 | 2232.0 | 2225.6 | 2219.1 | 2199.9 | 2193.5 | 2171.0 | 2161.4 |
| 20°   | 2199.9 | 2209.5 | 2196.6 | 2187.0 | 2180.6 | 2174.2 | 2161.4 | 2142.1 | 2135.6 | 2113.1 | 2097.1 |
| 22.5° | 2142.1 | 2154.9 | 2135.6 | 2126.0 | 2119.6 | 2110.0 | 2097.1 | 2077.9 | 2068.2 | 2039.4 | 2020.0 |
| 25°   | 2071.4 | 2077.9 | 2061.8 | 2052.1 | 2039.4 | 2032.9 | 2023.2 | 1997.6 | 1987.9 | 1955.9 | 1933.4 |
| 27.5° | 1981.5 | 1987.9 | 1968.6 | 1962.2 | 1946.1 | 1939.8 | 1926.9 | 1904.4 | 1891.6 | 1859.5 | 1837.0 |
| 30°   | 1869.1 | 1875.5 | 1862.8 | 1853.0 | 1840.2 | 1827.4 | 1817.8 | 1795.2 | 1776.0 | 1743.9 | 1724.6 |
| 32.5° | 1743.9 | 1753.5 | 1740.6 | 1727.8 | 1705.4 | 1708.5 | 1692.5 | 1670.0 | 1654.0 | 1625.0 | 1602.5 |
| 35°   | 1602.5 | 1609.0 | 1592.9 | 1589.8 | 1576.9 | 1564.0 | 1548.0 | 1531.9 | 1522.2 | 1490.1 | 1470.9 |
| 37.5° | 1445.2 | 1461.2 | 1445.2 | 1432.4 | 1425.9 | 1416.2 | 1406.6 | 1384.1 | 1377.8 | 1358.5 | 1332.8 |
| 40°   | 1294.2 | 1303.9 | 1294.2 | 1281.4 | 1271.8 | 1271.8 | 1258.9 | 1246.1 | 1230.0 | 1210.8 | 1201.1 |
| 42.5° | 1159.4 | 1153.0 | 1149.8 | 1143.2 | 1130.5 | 1127.2 | 1124.0 | 1108.0 | 1098.4 | 1079.1 | 1063.0 |
| 45°   | 1024.5 | 1027.8 | 1021.2 | 1018.0 | 1008.4 | 1002.0 | 995.6  | 982.8  | 979.5  | 960.2  | 947.4  |
| 47.5° | 912.1  | 908.9  | 902.5  | 902.5  | 896.0  | 889.6  | 883.1  | 873.5  | 870.4  | 854.2  | 841.4  |
| 50°   | 809.2  | 812.5  | 809.2  | 806.1  | 796.5  | 793.2  | 786.9  | 780.4  | 774.0  | 757.9  | 745.1  |
| 52.5° | 725.8  | 722.6  | 719.4  | 719.4  | 709.8  | 706.5  | 700.1  | 693.8  | 687.2  | 671.2  | 661.6  |
| 55°   | 648.8  | 648.8  | 645.5  | 642.2  | 632.6  | 629.5  | 626.2  | 619.9  | 610.2  | 597.4  | 587.8  |
| 57.5° | 578.1  | 578.1  | 574.9  | 571.6  | 565.2  | 565.2  | 558.8  | 552.4  | 546.0  | 533.1  | 520.2  |
| 60°   | 513.9  | 517.0  | 513.9  | 510.6  | 504.2  | 504.2  | 501.0  | 491.4  | 488.1  | 472.1  | 462.5  |
| 62.5° | 459.2  | 459.2  | 459.2  | 456.0  | 452.9  | 446.4  | 446.4  | 436.8  | 430.4  | 420.8  | 407.9  |
| 65°   | 407.9  | 407.9  | 407.9  | 404.6  | 398.2  | 395.0  | 391.8  | 385.4  | 379.0  | 369.4  | 356.5  |
| 67.5° | 359.8  | 359.8  | 359.8  | 356.5  | 350.0  | 346.9  | 343.6  | 340.4  | 330.8  | 321.1  | 308.2  |
| 70°   | 314.8  | 314.8  | 311.5  | 308.2  | 305.1  | 301.9  | 298.6  | 292.2  | 285.9  | 273.0  | 263.4  |
| 72.5° | 269.8  | 269.8  | 269.8  | 263.4  | 260.1  | 260.1  | 253.8  | 250.5  | 244.1  | 231.2  | 221.6  |
| 75°   | 228.0  | 224.8  | 224.8  | 221.6  | 218.4  | 215.1  | 212.0  | 208.8  | 199.1  | 192.8  | 179.9  |
| 77.5° | 186.2  | 186.2  | 183.0  | 179.9  | 179.9  | 176.6  | 173.4  | 167.0  | 163.8  | 154.1  | 144.5  |
| 80°   | 144.5  | 144.5  | 144.5  | 144.5  | 141.2  | 138.1  | 138.1  | 131.6  | 128.5  | 118.9  | 112.4  |
| 82.5° | 109.2  | 106.0  | 106.0  | 106.0  | 102.8  | 99.5   | 99.5   | 96.4   | 93.1   | 86.8   | 80.2   |
| 85°   | 64.2   | 61.0   | 61.0   | 61.0   | 57.8   | 57.8   | 54.6   | 54.6   | 51.4   | 45.0   | 45.0   |
| 87.5° | 19.2   | 19.2   | 22.5   | 22.5   | 19.2   | 19.2   | 19.2   | 19.2   | 19.2   | 16.0   | 16.0   |
| 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):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 |
| 2.5°  | 2318.8 | 2328.4 | 2315.5 | 2312.2 | 2325.1 | 2318.8 | 2315.5 | 2309.1 | 2312.2 | 2305.9 | 2296.2 |
| 5°    | 2315.5 | 2328.4 | 2312.2 | 2302.6 | 2318.8 | 2309.1 | 2302.6 | 2296.2 | 2296.2 | 2283.4 | 2277.0 |
| 7.5°  | 2305.9 | 2312.2 | 2296.2 | 2286.6 | 2296.2 | 2286.6 | 2280.1 | 2270.5 | 2267.4 | 2251.2 | 2241.6 |
| 10°   | 2280.1 | 2286.6 | 2267.4 | 2254.5 | 2264.1 | 2251.2 | 2241.6 | 2232.0 | 2225.6 | 2206.4 | 2193.5 |
| 12.5° | 2244.9 | 2248.1 | 2225.6 | 2209.5 | 2216.0 | 2206.4 | 2190.2 | 2177.4 | 2171.0 | 2151.8 | 2135.6 |
| 15°   | 2196.6 | 2199.9 | 2174.2 | 2151.8 | 2158.1 | 2145.2 | 2126.0 | 2113.1 | 2103.5 | 2084.2 | 2061.8 |
| 17.5° | 2138.9 | 2135.6 | 2106.8 | 2084.2 | 2087.5 | 2071.4 | 2052.1 | 2032.9 | 2020.0 | 1997.6 | 1981.5 |
| 20°   | 2074.6 | 2065.0 | 2032.9 | 2007.2 | 2010.4 | 1991.1 | 1968.6 | 1949.4 | 1933.4 | 1914.1 | 1891.6 |
| 22.5° | 1994.4 | 1981.5 | 1952.6 | 1920.5 | 1923.8 | 1907.6 | 1875.5 | 1859.5 | 1843.4 | 1817.8 | 1798.5 |
| 25°   | 1907.6 | 1888.4 | 1859.5 | 1827.4 | 1827.4 | 1808.1 | 1782.4 | 1763.1 | 1747.1 | 1721.4 | 1698.9 |
| 27.5° | 1804.9 | 1795.2 | 1756.8 | 1731.0 | 1727.8 | 1708.5 | 1686.0 | 1663.6 | 1644.2 | 1621.9 | 1599.4 |
| 30°   | 1692.5 | 1676.4 | 1647.5 | 1618.6 | 1612.2 | 1596.1 | 1573.6 | 1548.0 | 1535.1 | 1512.6 | 1493.4 |
| 32.5° | 1573.6 | 1557.6 | 1525.5 | 1496.6 | 1493.4 | 1480.5 | 1461.2 | 1435.5 | 1422.8 | 1406.6 | 1393.8 |
| 35°   | 1438.8 | 1432.4 | 1400.2 | 1377.8 | 1377.8 | 1364.9 | 1345.6 | 1323.1 | 1313.5 | 1297.5 | 1281.4 |
| 37.5° | 1310.2 | 1300.6 | 1271.8 | 1252.5 | 1252.5 | 1236.5 | 1217.1 | 1207.5 | 1197.9 | 1185.0 | 1175.4 |
| 40°   | 1175.4 | 1169.0 | 1146.5 | 1127.2 | 1130.5 | 1117.6 | 1104.8 | 1091.9 | 1085.5 | 1079.1 | 1069.5 |
| 42.5° | 1050.1 | 1043.8 | 1027.8 | 1011.6 | 1011.6 | 1002.0 | 989.1  | 979.5  | 973.1  | 963.5  | 960.2  |
| 45°   | 937.8  | 928.1  | 915.2  | 899.2  | 899.2  | 889.6  | 883.1  | 876.8  | 873.5  | 867.1  | 857.5  |
| 47.5° | 828.6  | 822.1  | 809.2  | 793.2  | 793.2  | 793.2  | 780.4  | 770.8  | 770.8  | 764.4  | 761.1  |
| 50°   | 735.5  | 725.8  | 716.1  | 703.4  | 703.4  | 696.9  | 687.2  | 677.6  | 677.6  | 674.4  | 668.0  |
| 52.5° | 648.8  | 642.2  | 629.5  | 616.6  | 616.6  | 610.2  | 600.5  | 597.4  | 594.1  | 584.5  | 581.2  |
| 55°   | 574.9  | 568.5  | 558.8  | 542.8  | 539.5  | 536.4  | 526.8  | 520.2  | 517.0  | 507.4  | 507.4  |
| 57.5° | 507.4  | 501.0  | 485.0  | 475.2  | 472.1  | 465.6  | 456.0  | 449.6  | 446.4  | 440.0  | 433.5  |
| 60°   | 449.6  | 440.0  | 427.1  | 414.2  | 411.1  | 404.6  | 395.0  | 388.6  | 385.4  | 372.5  | 366.1  |
| 62.5° | 395.0  | 385.4  | 372.5  | 359.8  | 356.5  | 350.0  | 337.2  | 330.8  | 324.4  | 311.5  | 305.1  |
| 65°   | 343.6  | 334.0  | 321.1  | 308.2  | 301.9  | 298.6  | 285.9  | 276.2  | 269.8  | 260.1  | 247.2  |
| 67.5° | 295.5  | 285.9  | 273.0  | 256.9  | 256.9  | 247.2  | 237.6  | 228.0  | 218.4  | 208.8  | 199.1  |
| 70°   | 250.5  | 240.9  | 228.0  | 215.1  | 212.0  | 205.5  | 195.9  | 183.0  | 176.6  | 163.8  | 154.1  |
| 72.5° | 208.8  | 199.1  | 186.2  | 173.4  | 170.2  | 163.8  | 154.1  | 141.2  | 131.6  | 122.0  | 112.4  |
| 75°   | 170.2  | 160.6  | 147.8  | 138.1  | 134.9  | 128.5  | 118.9  | 106.0  | 96.4   | 89.9   | 80.2   |
| 77.5° | 134.9  | 125.2  | 115.6  | 106.0  | 102.8  | 96.4   | 86.8   | 80.2   | 70.6   | 64.2   | 54.6   |
| 80°   | 102.8  | 96.4   | 86.8   | 80.2   | 77.1   | 70.6   | 64.2   | 54.6   | 48.1   | 41.8   | 38.5   |
| 82.5° | 73.9   | 67.5   | 61.0   | 51.4   | 51.4   | 45.0   | 41.8   | 35.4   | 28.9   | 25.8   | 22.5   |
| 85°   | 41.8   | 35.4   | 32.1   | 28.9   | 25.8   | 25.8   | 22.5   | 19.2   | 16.0   | 12.9   | 12.9   |
| 87.5° | 12.9   | 12.9   | 9.6    | 9.6    | 9.6    | 9.6    | 6.4    | 6.4    | 6.4    | 6.4    | 6.4    |
| 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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**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 |
| 2.5°  | 2296.2 | 2299.5 | 2293.0 | 2299.5 | 2293.0 | 2296.2 | 2289.9 | 2296.2 | 2289.9 | 2296.2 | 2283.4 |
| 5°    | 2273.8 | 2273.8 | 2264.1 | 2270.5 | 2264.1 | 2267.4 | 2254.5 | 2257.8 | 2251.2 | 2257.8 | 2244.9 |
| 7.5°  | 2235.2 | 2238.4 | 2222.4 | 2228.8 | 2219.1 | 2219.1 | 2209.5 | 2212.8 | 2203.1 | 2206.4 | 2196.6 |
| 10°   | 2190.2 | 2187.0 | 2171.0 | 2177.4 | 2164.6 | 2164.6 | 2154.9 | 2154.9 | 2142.1 | 2145.2 | 2132.5 |
| 12.5° | 2126.0 | 2122.9 | 2103.5 | 2110.0 | 2097.1 | 2097.1 | 2087.5 | 2087.5 | 2074.6 | 2081.1 | 2068.2 |
| 15°   | 2052.1 | 2049.0 | 2029.6 | 2032.9 | 2020.0 | 2020.0 | 2007.2 | 2010.4 | 2000.8 | 2007.2 | 1994.4 |
| 17.5° | 1968.6 | 1965.5 | 1946.1 | 1949.4 | 1933.4 | 1936.5 | 1926.9 | 1923.8 | 1917.2 | 1920.5 | 1910.9 |
| 20°   | 1882.0 | 1875.5 | 1856.2 | 1859.5 | 1853.0 | 1843.4 | 1837.0 | 1840.2 | 1833.8 | 1840.2 | 1830.6 |
| 22.5° | 1792.0 | 1779.2 | 1763.1 | 1763.1 | 1756.8 | 1756.8 | 1747.1 | 1753.5 | 1740.6 | 1750.2 | 1743.9 |
| 25°   | 1689.2 | 1679.6 | 1666.8 | 1673.2 | 1660.4 | 1660.4 | 1650.8 | 1654.0 | 1647.5 | 1654.0 | 1647.5 |
| 27.5° | 1589.8 | 1583.2 | 1564.0 | 1570.5 | 1560.8 | 1564.0 | 1554.4 | 1557.6 | 1554.4 | 1560.8 | 1554.4 |
| 30°   | 1483.8 | 1480.5 | 1467.6 | 1467.6 | 1464.5 | 1461.2 | 1458.0 | 1458.0 | 1454.9 | 1464.5 | 1458.0 |
| 32.5° | 1384.1 | 1374.5 | 1361.8 | 1371.4 | 1355.2 | 1364.9 | 1358.5 | 1364.9 | 1358.5 | 1364.9 | 1361.8 |
| 35°   | 1281.4 | 1278.2 | 1262.1 | 1265.4 | 1262.1 | 1262.1 | 1258.9 | 1258.9 | 1258.9 | 1268.5 | 1268.5 |
| 37.5° | 1172.2 | 1169.0 | 1159.4 | 1162.6 | 1156.1 | 1153.0 | 1153.0 | 1159.4 | 1159.4 | 1165.8 | 1165.8 |
| 40°   | 1066.2 | 1069.5 | 1059.8 | 1059.8 | 1056.6 | 1056.6 | 1056.6 | 1063.0 | 1059.8 | 1066.2 | 1063.0 |
| 42.5° | 960.2  | 960.2  | 950.6  | 953.9  | 950.6  | 953.9  | 953.9  | 960.2  | 960.2  | 963.5  | 960.2  |
| 45°   | 860.8  | 860.8  | 857.5  | 860.8  | 854.2  | 857.5  | 854.2  | 860.8  | 857.5  | 860.8  | 860.8  |
| 47.5° | 761.1  | 761.1  | 761.1  | 757.9  | 757.9  | 757.9  | 757.9  | 757.9  | 754.8  | 761.1  | 757.9  |
| 50°   | 668.0  | 671.2  | 668.0  | 668.0  | 664.8  | 668.0  | 664.8  | 664.8  | 658.4  | 661.6  | 661.6  |
| 52.5° | 584.5  | 584.5  | 578.1  | 578.1  | 578.1  | 574.9  | 574.9  | 574.9  | 571.6  | 571.6  | 565.2  |
| 55°   | 504.2  | 504.2  | 497.8  | 497.8  | 494.6  | 491.4  | 488.1  | 488.1  | 478.5  | 478.5  | 468.9  |
| 57.5° | 430.4  | 427.1  | 417.5  | 417.5  | 411.1  | 407.9  | 404.6  | 401.5  | 395.0  | 388.6  | 385.4  |
| 60°   | 362.9  | 356.5  | 350.0  | 346.9  | 340.4  | 334.0  | 327.6  | 321.1  | 314.8  | 311.5  | 308.2  |
| 62.5° | 298.6  | 289.0  | 282.6  | 279.4  | 273.0  | 263.4  | 256.9  | 250.5  | 244.1  | 240.9  | 234.5  |
| 65°   | 240.9  | 231.2  | 221.6  | 218.4  | 212.0  | 205.5  | 195.9  | 189.5  | 183.0  | 179.9  | 179.9  |
| 67.5° | 189.5  | 179.9  | 167.0  | 167.0  | 160.6  | 154.1  | 147.8  | 141.2  | 138.1  | 141.2  | 141.2  |
| 70°   | 141.2  | 134.9  | 125.2  | 122.0  | 115.6  | 109.2  | 106.0  | 106.0  | 106.0  | 109.2  | 106.0  |
| 72.5° | 106.0  | 96.4   | 89.9   | 86.8   | 83.5   | 80.2   | 80.2   | 80.2   | 77.1   | 80.2   | 80.2   |
| 75°   | 73.9   | 67.5   | 61.0   | 61.0   | 57.8   | 57.8   | 57.8   | 57.8   | 57.8   | 57.8   | 57.8   |
| 77.5° | 51.4   | 45.0   | 41.8   | 41.8   | 41.8   | 38.5   | 38.5   | 38.5   | 38.5   | 38.5   | 38.5   |
| 80°   | 32.1   | 32.1   | 28.9   | 28.9   | 25.8   | 25.8   | 25.8   | 25.8   | 25.8   | 25.8   | 25.8   |
| 82.5° | 19.2   | 19.2   | 16.0   | 16.0   | 16.0   | 16.0   | 16.0   | 16.0   | 16.0   | 16.0   | 16.0   |
| 85°   | 9.6    | 9.6    | 9.6    | 9.6    | 9.6    | 6.4    | 6.4    | 6.4    | 6.4    | 6.4    | 6.4    |
| 87.5° | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 6.4    | 6.4    | 6.4    | 6.4    | 6.4    | 6.4    |
| 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: P252510

CATALOG NUMBER: LE\_6B50D010R EC6B30509024 6LBLWW1H

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 | 2312.2 |
| 2.5°  | 2283.4 | 2293.0 | 2280.1 | 2289.9 | 2286.6 | 2283.4 | 2277.0 | 2289.9 |
| 5°    | 2244.9 | 2248.1 | 2235.2 | 2248.1 | 2244.9 | 2238.4 | 2232.0 | 2244.9 |
| 7.5°  | 2190.2 | 2199.9 | 2183.9 | 2196.6 | 2193.5 | 2187.0 | 2180.6 | 2193.5 |
| 10°   | 2129.2 | 2138.9 | 2126.0 | 2135.6 | 2135.6 | 2129.2 | 2119.6 | 2132.5 |
| 12.5° | 2061.8 | 2068.2 | 2055.4 | 2068.2 | 2065.0 | 2058.6 | 2055.4 | 2065.0 |
| 15°   | 1987.9 | 1997.6 | 1984.8 | 1994.4 | 1991.1 | 1987.9 | 1984.8 | 1994.4 |
| 17.5° | 1907.6 | 1917.2 | 1907.6 | 1917.2 | 1917.2 | 1907.6 | 1904.4 | 1910.9 |
| 20°   | 1827.4 | 1833.8 | 1824.1 | 1833.8 | 1830.6 | 1830.6 | 1824.1 | 1833.8 |
| 22.5° | 1737.5 | 1747.1 | 1740.6 | 1747.1 | 1743.9 | 1743.9 | 1740.6 | 1747.1 |
| 25°   | 1647.5 | 1657.1 | 1647.5 | 1657.1 | 1654.0 | 1654.0 | 1647.5 | 1663.6 |
| 27.5° | 1557.6 | 1564.0 | 1554.4 | 1567.2 | 1564.0 | 1557.6 | 1560.8 | 1564.0 |
| 30°   | 1461.2 | 1467.6 | 1461.2 | 1470.9 | 1470.9 | 1470.9 | 1464.5 | 1470.9 |
| 32.5° | 1364.9 | 1374.5 | 1364.9 | 1374.5 | 1371.4 | 1371.4 | 1368.1 | 1374.5 |
| 35°   | 1268.5 | 1271.8 | 1265.4 | 1275.0 | 1275.0 | 1278.2 | 1271.8 | 1281.4 |
| 37.5° | 1169.0 | 1172.2 | 1169.0 | 1172.2 | 1178.6 | 1169.0 | 1175.4 | 1178.6 |
| 40°   | 1066.2 | 1072.6 | 1069.5 | 1072.6 | 1072.6 | 1075.9 | 1072.6 | 1075.9 |
| 42.5° | 963.5  | 969.9  | 963.5  | 973.1  | 969.9  | 969.9  | 973.1  | 973.1  |
| 45°   | 857.5  | 867.1  | 860.8  | 867.1  | 870.4  | 867.1  | 867.1  | 873.5  |
| 47.5° | 757.9  | 764.4  | 761.1  | 764.4  | 764.4  | 764.4  | 764.4  | 770.8  |
| 50°   | 658.4  | 661.6  | 661.6  | 664.8  | 664.8  | 668.0  | 661.6  | 664.8  |
| 52.5° | 558.8  | 565.2  | 565.2  | 565.2  | 562.0  | 565.2  | 565.2  | 565.2  |
| 55°   | 468.9  | 472.1  | 465.6  | 472.1  | 472.1  | 468.9  | 468.9  | 475.2  |
| 57.5° | 382.1  | 382.1  | 382.1  | 382.1  | 382.1  | 379.0  | 382.1  | 382.1  |
| 60°   | 301.9  | 305.1  | 301.9  | 301.9  | 301.9  | 301.9  | 298.6  | 305.1  |
| 62.5° | 234.5  | 234.5  | 231.2  | 234.5  | 234.5  | 234.5  | 237.6  | 237.6  |
| 65°   | 183.0  | 186.2  | 183.0  | 186.2  | 186.2  | 186.2  | 186.2  | 189.5  |
| 67.5° | 144.5  | 144.5  | 144.5  | 144.5  | 144.5  | 144.5  | 144.5  | 144.5  |
| 70°   | 109.2  | 109.2  | 109.2  | 112.4  | 109.2  | 109.2  | 109.2  | 112.4  |
| 72.5° | 80.2   | 80.2   | 80.2   | 80.2   | 80.2   | 80.2   | 83.5   | 83.5   |
| 75°   | 57.8   | 57.8   | 57.8   | 57.8   | 57.8   | 57.8   | 57.8   | 57.8   |
| 77.5° | 38.5   | 38.5   | 38.5   | 41.8   | 38.5   | 41.8   | 38.5   | 38.5   |
| 80°   | 25.8   | 25.8   | 25.8   | 25.8   | 25.8   | 25.8   | 25.8   | 25.8   |
| 82.5° | 16.0   | 16.0   | 16.0   | 16.0   | 16.0   | 16.0   | 16.0   | 16.0   |
| 85°   | 6.4    | 6.4    | 6.4    | 6.4    | 6.4    | 6.4    | 6.4    | 6.4    |
| 87.5° | 6.4    | 6.4    | 6.4    | 6.4    | 3.2    | 3.2    | 3.2    | 3.2    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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— 0°-180°    - - 45°-225°    - - - - 90°-270°















(END OF REPORT)