

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: P252295

Luminaire Tested: **LE_6B40D010 EC6B30509727 6LBSW1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-7)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B40D010 EC6B30509727 6LBSW1H
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH HAZE TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3447.5 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

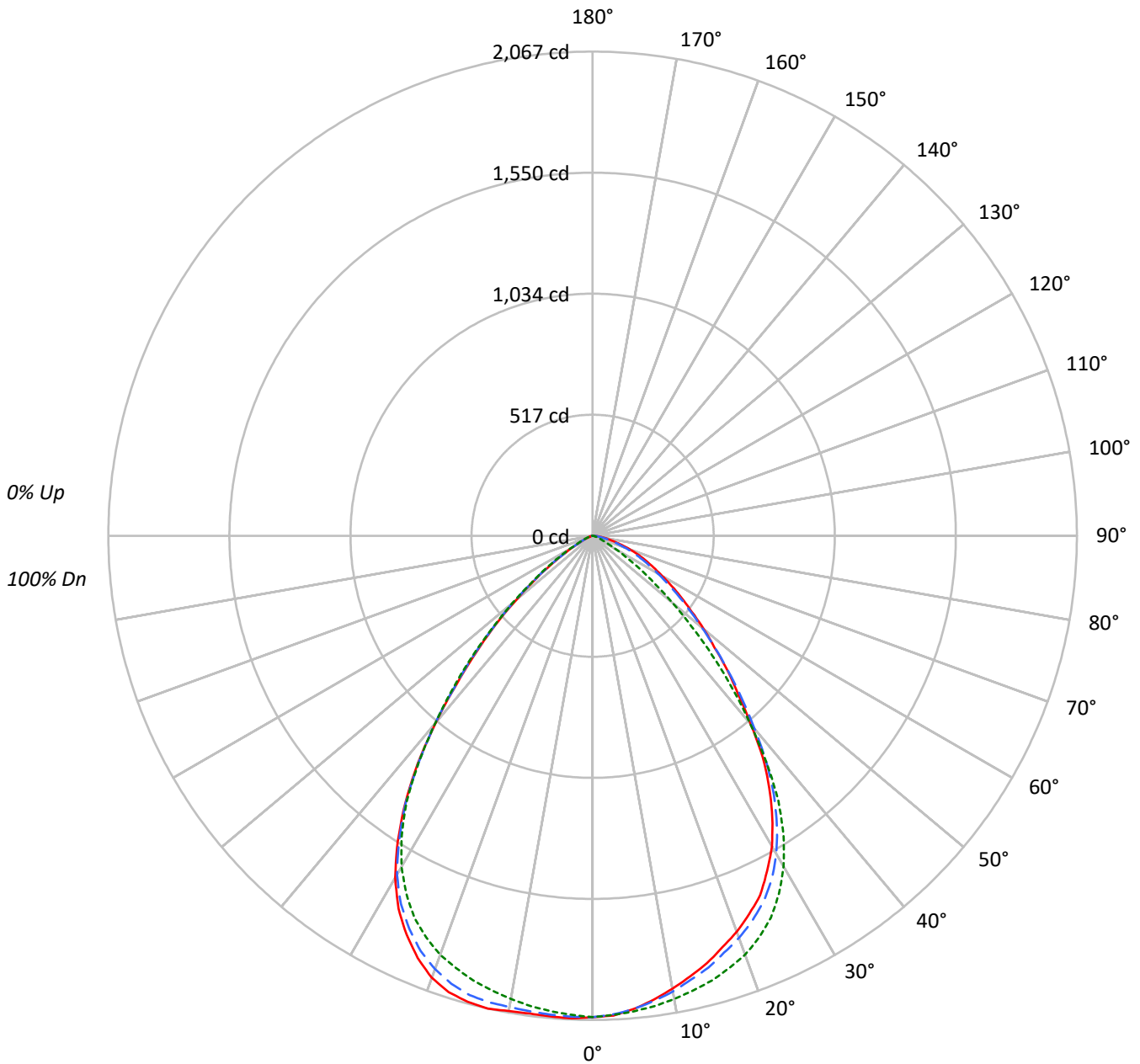
Input Watts (W): 43
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252295

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|
| RF | 20 | | | | 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 |
| 1 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 98 | 98 | 96 | 95 | 95 | 93 | 92 | 90 | | | | 90 |
| 2 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 88 | 93 | 89 | 86 | 90 | 87 | 84 | 87 | 85 | 82 | 80 | | | | 80 |
| 3 | 97 | 89 | 83 | 78 | 95 | 88 | 82 | 77 | 85 | 80 | 76 | 82 | 78 | 75 | 80 | 77 | 74 | 72 | | | | 72 |
| 4 | 91 | 81 | 74 | 69 | 89 | 80 | 74 | 69 | 78 | 72 | 68 | 76 | 71 | 67 | 74 | 69 | 66 | 64 | | | | 64 |
| 5 | 85 | 74 | 67 | 62 | 83 | 73 | 66 | 61 | 71 | 65 | 61 | 70 | 64 | 60 | 68 | 63 | 60 | 58 | | | | 58 |
| 6 | 79 | 68 | 61 | 55 | 78 | 67 | 60 | 55 | 66 | 59 | 55 | 64 | 59 | 54 | 63 | 58 | 54 | 52 | | | | 52 |
| 7 | 74 | 63 | 55 | 50 | 73 | 62 | 55 | 50 | 61 | 54 | 50 | 59 | 54 | 49 | 58 | 53 | 49 | 47 | | | | 47 |
| 8 | 70 | 58 | 51 | 46 | 68 | 57 | 50 | 46 | 56 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 43 | | | | 43 |
| 9 | 65 | 54 | 47 | 42 | 64 | 53 | 46 | 42 | 52 | 46 | 42 | 51 | 46 | 41 | 50 | 45 | 41 | 40 | | | | 40 |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 38 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 37 | | | | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 134063 | 134063 | 134063 |
| 5° | 132787 | 133436 | 134903 |
| 10° | 130050 | 133011 | 136462 |
| 15° | 127560 | 132761 | 139130 |
| 20° | 124914 | 132155 | 139397 |
| 25° | 121842 | 129516 | 135246 |
| 30° | 115350 | 122831 | 126944 |
| 35° | 104764 | 110100 | 111088 |
| 40° | 89407 | 88990 | 88564 |
| 45° | 75103 | 66633 | 64576 |
| 50° | 62725 | 45085 | 42821 |
| 55° | 52788 | 27662 | 25126 |
| 60° | 44690 | 14562 | 12631 |
| 65° | 38686 | 7657 | 6144 |
| 70° | 32199 | 4750 | 3319 |
| 75° | 23745 | 3126 | 1891 |
| 80° | 18635 | 1879 | 939 |
| 85° | 14896 | 1871 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 193.7 | 5.6 |
| 10°-20° | 554.5 | 16.1 |
| 20°-30° | 818.8 | 23.8 |
| 30°-40° | 843.9 | 24.5 |
| 40°-50° | 582.9 | 16.9 |
| 50°-60° | 287.3 | 8.3 |
| 60°-70° | 116.4 | 3.4 |
| 70°-80° | 41.5 | 1.2 |
| 80°-90° | 8.6 | 0.2 |
| 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° | 1567.0 | 45.5 |
| 0°-40° | 2410.9 | 69.9 |
| 0°-60° | 3281.0 | 95.2 |
| 0°-90° | 3447.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3447.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2055 | 2055 | 2055 | 2055 | 2055 | |
| 5° | 2028 | 2028 | 2038 | 2052 | 2060 | 191 |
| 15° | 1889 | 1908 | 1966 | 2030 | 2060 | 532 |
| 25° | 1693 | 1725 | 1799 | 1851 | 1879 | 774 |
| 35° | 1315 | 1348 | 1382 | 1390 | 1395 | 815 |
| 45° | 814 | 819 | 722 | 712 | 700 | 629 |
| 55° | 464 | 447 | 243 | 228 | 221 | 419 |
| 65° | 251 | 226 | 50 | 40 | 40 | 249 |
| 75° | 94 | 79 | 12 | 8 | 8 | 106 |
| 85° | 20 | 15 | 2 | 0 | 0 | 24 |
| 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° | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 |
| 2.5° | 2050.0 | 2042.5 | 2047.5 | 2037.5 | 2050.0 | 2037.5 | 2040.0 | 2042.5 | 2040.0 | 2042.5 | 2045.0 |
| 5° | 2027.6 | 2020.1 | 2027.6 | 2015.2 | 2027.6 | 2020.1 | 2020.1 | 2022.6 | 2022.6 | 2025.1 | 2027.6 |
| 7.5° | 1997.9 | 1990.4 | 1997.9 | 1985.4 | 2000.4 | 1992.9 | 1992.9 | 1997.9 | 1995.4 | 1997.9 | 2002.8 |
| 10° | 1963.1 | 1953.1 | 1960.6 | 1953.1 | 1968.0 | 1958.1 | 1963.1 | 1963.1 | 1963.1 | 1970.5 | 1975.5 |
| 12.5° | 1925.9 | 1916.0 | 1925.9 | 1913.5 | 1928.4 | 1920.9 | 1923.4 | 1930.9 | 1933.4 | 1938.2 | 1940.8 |
| 15° | 1888.6 | 1876.2 | 1881.2 | 1873.8 | 1888.6 | 1881.2 | 1883.6 | 1893.6 | 1893.6 | 1901.0 | 1908.5 |
| 17.5° | 1841.5 | 1831.5 | 1841.5 | 1831.5 | 1844.0 | 1839.0 | 1844.0 | 1851.4 | 1851.4 | 1858.9 | 1866.2 |
| 20° | 1799.2 | 1789.4 | 1796.9 | 1789.4 | 1804.2 | 1796.9 | 1799.2 | 1809.2 | 1811.8 | 1819.1 | 1826.6 |
| 22.5° | 1747.1 | 1739.8 | 1744.8 | 1737.2 | 1752.1 | 1747.1 | 1749.6 | 1759.6 | 1762.1 | 1767.0 | 1779.5 |
| 25° | 1692.6 | 1677.8 | 1685.1 | 1680.1 | 1695.1 | 1687.6 | 1692.6 | 1702.5 | 1707.5 | 1714.9 | 1724.9 |
| 27.5° | 1613.1 | 1605.8 | 1610.6 | 1610.6 | 1623.1 | 1615.6 | 1618.1 | 1628.0 | 1635.5 | 1643.0 | 1655.4 |
| 30° | 1531.2 | 1518.9 | 1523.9 | 1526.2 | 1536.2 | 1531.2 | 1536.2 | 1546.1 | 1548.6 | 1558.6 | 1568.5 |
| 32.5° | 1427.0 | 1422.1 | 1432.0 | 1427.0 | 1432.0 | 1432.0 | 1434.5 | 1441.9 | 1446.9 | 1451.9 | 1464.2 |
| 35° | 1315.4 | 1305.4 | 1315.4 | 1310.4 | 1322.8 | 1315.4 | 1322.8 | 1330.2 | 1330.2 | 1340.1 | 1347.6 |
| 37.5° | 1193.8 | 1181.4 | 1186.2 | 1186.2 | 1191.2 | 1188.8 | 1188.8 | 1201.1 | 1203.6 | 1211.1 | 1218.5 |
| 40° | 1049.8 | 1044.9 | 1054.8 | 1052.2 | 1054.8 | 1054.8 | 1057.2 | 1064.8 | 1069.6 | 1072.1 | 1074.6 |
| 42.5° | 920.8 | 923.2 | 925.8 | 925.8 | 925.8 | 925.8 | 925.8 | 935.6 | 933.1 | 940.6 | 943.1 |
| 45° | 814.0 | 804.1 | 809.1 | 806.6 | 814.0 | 806.6 | 814.0 | 821.5 | 816.5 | 824.0 | 819.0 |
| 47.5° | 704.9 | 704.9 | 704.9 | 702.4 | 707.2 | 704.9 | 709.8 | 712.2 | 712.2 | 712.2 | 709.8 |
| 50° | 618.0 | 610.5 | 613.0 | 613.0 | 615.5 | 613.0 | 618.0 | 620.5 | 620.5 | 615.5 | 605.5 |
| 52.5° | 533.6 | 531.1 | 531.1 | 536.1 | 536.1 | 533.6 | 533.6 | 533.6 | 533.6 | 526.1 | 521.1 |
| 55° | 464.1 | 459.1 | 461.6 | 461.6 | 461.6 | 461.6 | 464.1 | 461.6 | 461.6 | 454.1 | 446.8 |
| 57.5° | 402.0 | 397.1 | 397.1 | 397.1 | 399.6 | 397.1 | 397.1 | 397.1 | 394.6 | 387.1 | 377.2 |
| 60° | 342.5 | 340.0 | 342.5 | 342.5 | 345.0 | 342.5 | 342.5 | 342.5 | 337.5 | 330.1 | 320.1 |
| 62.5° | 292.9 | 292.9 | 292.9 | 295.4 | 295.4 | 292.9 | 292.9 | 290.4 | 287.9 | 278.0 | 268.0 |
| 65° | 250.6 | 248.1 | 250.6 | 250.6 | 253.1 | 253.1 | 250.6 | 248.1 | 245.8 | 235.8 | 225.9 |
| 67.5° | 208.5 | 206.0 | 208.5 | 208.5 | 211.0 | 208.5 | 208.5 | 208.5 | 201.0 | 196.0 | 186.1 |
| 70° | 168.8 | 166.2 | 166.2 | 166.2 | 168.8 | 163.8 | 166.2 | 166.2 | 161.4 | 153.9 | 144.0 |
| 72.5° | 129.0 | 129.0 | 129.0 | 129.0 | 129.0 | 129.0 | 126.6 | 126.6 | 121.6 | 114.1 | 109.2 |
| 75° | 94.2 | 94.2 | 96.8 | 96.8 | 94.2 | 94.2 | 94.2 | 91.9 | 89.4 | 84.4 | 79.4 |
| 77.5° | 69.5 | 69.5 | 69.5 | 69.5 | 67.0 | 67.0 | 67.0 | 64.5 | 62.0 | 59.6 | 54.6 |
| 80° | 49.6 | 49.6 | 49.6 | 47.1 | 49.6 | 47.1 | 47.1 | 47.1 | 42.2 | 39.8 | 37.2 |
| 82.5° | 34.8 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 29.8 | 29.8 | 27.2 | 24.9 |
| 85° | 19.9 | 19.9 | 19.9 | 19.9 | 19.9 | 19.9 | 19.9 | 19.9 | 17.4 | 14.9 | 14.9 |
| 87.5° | 9.9 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 9.9 | 9.9 | 9.9 | 7.5 |
| 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):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 |
| 2.5° | 2045.0 | 2045.0 | 2050.0 | 2042.5 | 2054.9 | 2047.5 | 2045.0 | 2057.4 | 2050.0 | 2047.5 | 2052.5 |
| 5° | 2027.6 | 2030.1 | 2032.6 | 2027.6 | 2040.0 | 2032.6 | 2032.6 | 2045.0 | 2040.0 | 2037.5 | 2045.0 |
| 7.5° | 2005.2 | 2007.8 | 2012.8 | 2010.2 | 2020.1 | 2015.2 | 2017.8 | 2030.1 | 2025.1 | 2025.1 | 2032.6 |
| 10° | 1978.0 | 1983.0 | 1987.9 | 1987.9 | 2000.4 | 1995.4 | 1995.4 | 2010.2 | 2005.2 | 2007.8 | 2017.8 |
| 12.5° | 1945.8 | 1953.1 | 1960.6 | 1963.1 | 1975.5 | 1968.0 | 1970.5 | 1987.9 | 1985.4 | 1987.9 | 1997.9 |
| 15° | 1911.0 | 1920.9 | 1928.4 | 1928.4 | 1943.2 | 1935.8 | 1943.2 | 1960.6 | 1955.6 | 1965.6 | 1978.0 |
| 17.5° | 1871.2 | 1881.2 | 1891.1 | 1893.6 | 1908.5 | 1903.5 | 1913.5 | 1930.9 | 1930.9 | 1935.8 | 1950.6 |
| 20° | 1834.0 | 1846.5 | 1851.4 | 1858.9 | 1873.8 | 1871.2 | 1876.2 | 1896.1 | 1896.1 | 1903.5 | 1918.4 |
| 22.5° | 1784.4 | 1796.9 | 1806.8 | 1814.2 | 1826.6 | 1826.6 | 1834.0 | 1851.4 | 1851.4 | 1856.4 | 1871.2 |
| 25° | 1729.8 | 1744.8 | 1752.1 | 1759.6 | 1772.0 | 1769.5 | 1777.0 | 1791.9 | 1794.4 | 1799.2 | 1814.2 |
| 27.5° | 1660.4 | 1672.8 | 1682.6 | 1687.6 | 1705.0 | 1695.1 | 1702.5 | 1719.9 | 1717.4 | 1722.4 | 1734.8 |
| 30° | 1573.5 | 1585.9 | 1595.8 | 1595.8 | 1610.6 | 1610.6 | 1618.1 | 1625.6 | 1625.6 | 1630.5 | 1640.5 |
| 32.5° | 1471.8 | 1486.6 | 1486.6 | 1494.0 | 1504.0 | 1494.0 | 1504.0 | 1513.9 | 1508.9 | 1516.4 | 1523.9 |
| 35° | 1355.0 | 1362.5 | 1365.0 | 1365.0 | 1372.4 | 1370.0 | 1367.5 | 1374.9 | 1370.0 | 1382.4 | 1389.8 |
| 37.5° | 1213.6 | 1223.5 | 1218.5 | 1223.5 | 1221.0 | 1213.6 | 1213.6 | 1226.0 | 1216.1 | 1218.5 | 1226.0 |
| 40° | 1077.1 | 1077.1 | 1074.6 | 1062.2 | 1064.8 | 1057.2 | 1054.8 | 1057.2 | 1047.4 | 1044.9 | 1054.8 |
| 42.5° | 935.6 | 933.1 | 925.8 | 908.4 | 910.9 | 898.4 | 888.5 | 888.5 | 883.5 | 881.0 | 883.5 |
| 45° | 809.1 | 801.6 | 789.2 | 769.4 | 764.4 | 754.5 | 734.6 | 729.6 | 722.2 | 722.2 | 724.6 |
| 47.5° | 692.4 | 682.5 | 662.6 | 640.2 | 627.9 | 615.5 | 595.6 | 588.1 | 575.8 | 570.8 | 575.8 |
| 50° | 595.6 | 578.2 | 553.5 | 521.1 | 508.8 | 493.9 | 474.0 | 461.6 | 449.2 | 444.2 | 441.8 |
| 52.5° | 506.2 | 481.5 | 456.6 | 417.0 | 407.0 | 392.1 | 364.9 | 352.4 | 340.0 | 330.1 | 330.1 |
| 55° | 429.4 | 407.0 | 372.2 | 335.0 | 320.1 | 305.2 | 278.0 | 260.6 | 248.1 | 243.2 | 238.2 |
| 57.5° | 359.9 | 335.0 | 302.8 | 263.1 | 248.1 | 233.2 | 206.0 | 188.6 | 176.2 | 168.8 | 163.8 |
| 60° | 302.8 | 275.5 | 243.2 | 208.5 | 191.1 | 176.2 | 148.9 | 131.5 | 119.1 | 111.6 | 106.8 |
| 62.5° | 248.1 | 225.9 | 193.6 | 161.4 | 146.4 | 131.5 | 109.2 | 91.9 | 79.4 | 74.5 | 67.0 |
| 65° | 208.5 | 186.1 | 156.4 | 129.0 | 116.6 | 101.8 | 81.9 | 67.0 | 57.1 | 49.6 | 44.6 |
| 67.5° | 168.8 | 151.4 | 126.6 | 101.8 | 89.4 | 79.4 | 62.0 | 49.6 | 39.8 | 34.8 | 32.2 |
| 70° | 134.0 | 116.6 | 96.8 | 76.9 | 69.5 | 59.6 | 47.1 | 34.8 | 29.8 | 24.9 | 22.4 |
| 72.5° | 99.2 | 86.9 | 72.0 | 57.1 | 49.6 | 44.6 | 32.2 | 27.2 | 19.9 | 17.4 | 14.9 |
| 75° | 72.0 | 62.0 | 52.1 | 39.8 | 34.8 | 32.2 | 24.9 | 17.4 | 14.9 | 12.4 | 9.9 |
| 77.5° | 49.6 | 44.6 | 34.8 | 27.2 | 24.9 | 22.4 | 17.4 | 12.4 | 9.9 | 7.5 | 7.5 |
| 80° | 32.2 | 27.2 | 22.4 | 17.4 | 17.4 | 14.9 | 9.9 | 7.5 | 7.5 | 5.0 | 5.0 |
| 82.5° | 19.9 | 17.4 | 14.9 | 12.4 | 9.9 | 9.9 | 7.5 | 5.0 | 5.0 | 2.5 | 2.5 |
| 85° | 12.4 | 9.9 | 7.5 | 7.5 | 5.0 | 5.0 | 5.0 | 2.5 | 2.5 | 2.5 | 2.5 |
| 87.5° | 5.0 | 5.0 | 5.0 | 2.5 | 2.5 | 2.5 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 |
| 2.5° | 2052.5 | 2052.5 | 2057.4 | 2050.0 | 2054.9 | 2054.9 | 2059.9 | 2050.0 | 2054.9 | 2057.4 | 2062.4 |
| 5° | 2042.5 | 2045.0 | 2050.0 | 2047.5 | 2050.0 | 2050.0 | 2054.9 | 2042.5 | 2052.5 | 2052.5 | 2059.9 |
| 7.5° | 2032.6 | 2032.6 | 2037.5 | 2035.1 | 2040.0 | 2042.5 | 2047.5 | 2037.5 | 2047.5 | 2047.5 | 2054.9 |
| 10° | 2020.1 | 2020.1 | 2027.6 | 2025.1 | 2032.6 | 2035.1 | 2042.5 | 2032.6 | 2042.5 | 2045.0 | 2052.5 |
| 12.5° | 2002.8 | 2005.2 | 2012.8 | 2012.8 | 2020.1 | 2025.1 | 2032.6 | 2027.6 | 2040.0 | 2042.5 | 2052.5 |
| 15° | 1983.0 | 1987.9 | 1997.9 | 1995.4 | 2002.8 | 2010.2 | 2020.1 | 2012.8 | 2030.1 | 2035.1 | 2045.0 |
| 17.5° | 1958.1 | 1963.1 | 1970.5 | 1970.5 | 1978.0 | 1983.0 | 1995.4 | 1990.4 | 2005.2 | 2007.8 | 2020.1 |
| 20° | 1920.9 | 1928.4 | 1938.2 | 1935.8 | 1943.2 | 1948.2 | 1958.1 | 1953.1 | 1968.0 | 1973.0 | 1985.4 |
| 22.5° | 1876.2 | 1881.2 | 1888.6 | 1888.6 | 1896.1 | 1901.0 | 1911.0 | 1903.5 | 1918.4 | 1920.9 | 1930.9 |
| 25° | 1816.6 | 1821.6 | 1826.6 | 1829.1 | 1836.5 | 1839.0 | 1844.0 | 1839.0 | 1851.4 | 1853.9 | 1866.2 |
| 27.5° | 1739.8 | 1742.2 | 1749.6 | 1749.6 | 1754.6 | 1757.1 | 1764.5 | 1754.6 | 1772.0 | 1772.0 | 1779.5 |
| 30° | 1647.9 | 1645.4 | 1655.4 | 1650.4 | 1655.4 | 1655.4 | 1662.8 | 1657.9 | 1670.2 | 1665.2 | 1672.8 |
| 32.5° | 1526.2 | 1531.2 | 1531.2 | 1526.2 | 1536.2 | 1533.8 | 1533.8 | 1528.8 | 1536.2 | 1538.8 | 1543.6 |
| 35° | 1384.9 | 1392.2 | 1392.2 | 1394.8 | 1397.2 | 1389.8 | 1392.2 | 1377.4 | 1389.8 | 1392.2 | 1394.8 |
| 37.5° | 1231.0 | 1223.5 | 1228.5 | 1221.0 | 1233.5 | 1218.5 | 1218.5 | 1208.6 | 1218.5 | 1218.5 | 1221.0 |
| 40° | 1054.8 | 1052.2 | 1057.2 | 1052.2 | 1049.8 | 1047.4 | 1042.4 | 1034.9 | 1044.9 | 1039.9 | 1047.4 |
| 42.5° | 888.5 | 886.0 | 886.0 | 881.0 | 878.5 | 878.5 | 873.6 | 868.6 | 866.1 | 866.1 | 878.5 |
| 45° | 717.2 | 722.2 | 717.2 | 714.8 | 719.8 | 714.8 | 717.2 | 707.2 | 712.2 | 707.2 | 712.2 |
| 47.5° | 573.2 | 575.8 | 570.8 | 565.9 | 573.2 | 565.9 | 565.9 | 558.4 | 568.4 | 568.4 | 563.4 |
| 50° | 444.2 | 441.8 | 436.8 | 441.8 | 439.2 | 439.2 | 439.2 | 431.9 | 436.8 | 429.4 | 434.4 |
| 52.5° | 327.6 | 325.1 | 325.1 | 322.6 | 325.1 | 322.6 | 322.6 | 320.1 | 320.1 | 317.6 | 320.1 |
| 55° | 238.2 | 235.8 | 230.8 | 230.8 | 230.8 | 233.2 | 230.8 | 228.4 | 228.4 | 225.9 | 228.4 |
| 57.5° | 161.4 | 156.4 | 156.4 | 156.4 | 156.4 | 153.9 | 153.9 | 151.4 | 153.9 | 151.4 | 153.9 |
| 60° | 104.2 | 104.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 96.8 | 99.2 | 99.2 | 99.2 |
| 62.5° | 64.5 | 64.5 | 62.0 | 59.6 | 62.0 | 59.6 | 59.6 | 59.6 | 62.0 | 59.6 | 62.0 |
| 65° | 42.2 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 |
| 67.5° | 29.8 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 24.9 | 27.2 | 27.2 | 27.2 |
| 70° | 19.9 | 19.9 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 |
| 72.5° | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 |
| 75° | 9.9 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 77.5° | 7.5 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 80° | 5.0 | 5.0 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 82.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 85° | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 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 |



TEST NUMBER: P252295

CATALOG NUMBER: LE_6B40D010 EC6B30509727 6LBSW1H

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 | 2054.9 |
| 2.5° | 2054.9 | 2057.4 | 2052.5 | 2054.9 | 2050.0 | 2054.9 | 2057.4 | 2062.4 |
| 5° | 2050.0 | 2052.5 | 2047.5 | 2052.5 | 2047.5 | 2052.5 | 2054.9 | 2059.9 |
| 7.5° | 2045.0 | 2050.0 | 2045.0 | 2050.0 | 2045.0 | 2050.0 | 2052.5 | 2057.4 |
| 10° | 2045.0 | 2052.5 | 2047.5 | 2054.9 | 2047.5 | 2052.5 | 2057.4 | 2059.9 |
| 12.5° | 2045.0 | 2052.5 | 2050.0 | 2054.9 | 2052.5 | 2057.4 | 2062.4 | 2067.4 |
| 15° | 2040.0 | 2047.5 | 2042.5 | 2050.0 | 2047.5 | 2050.0 | 2059.9 | 2059.9 |
| 17.5° | 2012.8 | 2020.1 | 2020.1 | 2025.1 | 2025.1 | 2032.6 | 2037.5 | 2042.5 |
| 20° | 1978.0 | 1985.4 | 1983.0 | 1990.4 | 1990.4 | 1997.9 | 2002.8 | 2007.8 |
| 22.5° | 1925.9 | 1935.8 | 1933.4 | 1940.8 | 1938.2 | 1943.2 | 1953.1 | 1950.6 |
| 25° | 1858.9 | 1871.2 | 1868.8 | 1873.8 | 1871.2 | 1871.2 | 1876.2 | 1878.8 |
| 27.5° | 1777.0 | 1784.4 | 1781.9 | 1786.9 | 1781.9 | 1786.9 | 1791.9 | 1794.4 |
| 30° | 1670.2 | 1675.2 | 1672.8 | 1675.2 | 1672.8 | 1677.8 | 1680.1 | 1685.1 |
| 32.5° | 1541.2 | 1548.6 | 1541.2 | 1546.1 | 1543.6 | 1543.6 | 1553.6 | 1548.6 |
| 35° | 1387.4 | 1389.8 | 1392.2 | 1392.2 | 1387.4 | 1389.8 | 1394.8 | 1394.8 |
| 37.5° | 1216.1 | 1228.5 | 1213.6 | 1221.0 | 1218.5 | 1218.5 | 1218.5 | 1226.0 |
| 40° | 1037.4 | 1039.9 | 1034.9 | 1034.9 | 1034.9 | 1032.4 | 1042.4 | 1039.9 |
| 42.5° | 868.6 | 871.1 | 868.6 | 861.1 | 863.6 | 863.6 | 871.1 | 861.1 |
| 45° | 704.9 | 709.8 | 707.2 | 707.2 | 702.4 | 702.4 | 704.9 | 699.9 |
| 47.5° | 558.4 | 563.4 | 555.9 | 558.4 | 553.5 | 558.4 | 555.9 | 560.9 |
| 50° | 424.4 | 429.4 | 426.9 | 429.4 | 429.4 | 424.4 | 431.9 | 421.9 |
| 52.5° | 317.6 | 320.1 | 317.6 | 315.1 | 312.8 | 312.8 | 317.6 | 315.1 |
| 55° | 225.9 | 223.4 | 223.4 | 223.4 | 225.9 | 225.9 | 223.4 | 220.9 |
| 57.5° | 151.4 | 151.4 | 148.9 | 148.9 | 151.4 | 146.4 | 148.9 | 146.4 |
| 60° | 96.8 | 96.8 | 96.8 | 96.8 | 94.2 | 96.8 | 96.8 | 96.8 |
| 62.5° | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| 65° | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 |
| 67.5° | 24.9 | 27.2 | 27.2 | 27.2 | 24.9 | 24.9 | 24.9 | 24.9 |
| 70° | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 |
| 72.5° | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 |
| 75° | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 77.5° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 80° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 82.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 0.0 | 0.0 | 0.0 |
| 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)