

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: PORTFOLIO

Report Number: P244107

Luminaire Tested: **LSR8B30D010 EC8B30840 8LBSWOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244107
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-53)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B30D010 EC8B30840 8LBSW0LI
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3249.0 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.2 / 1.11
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

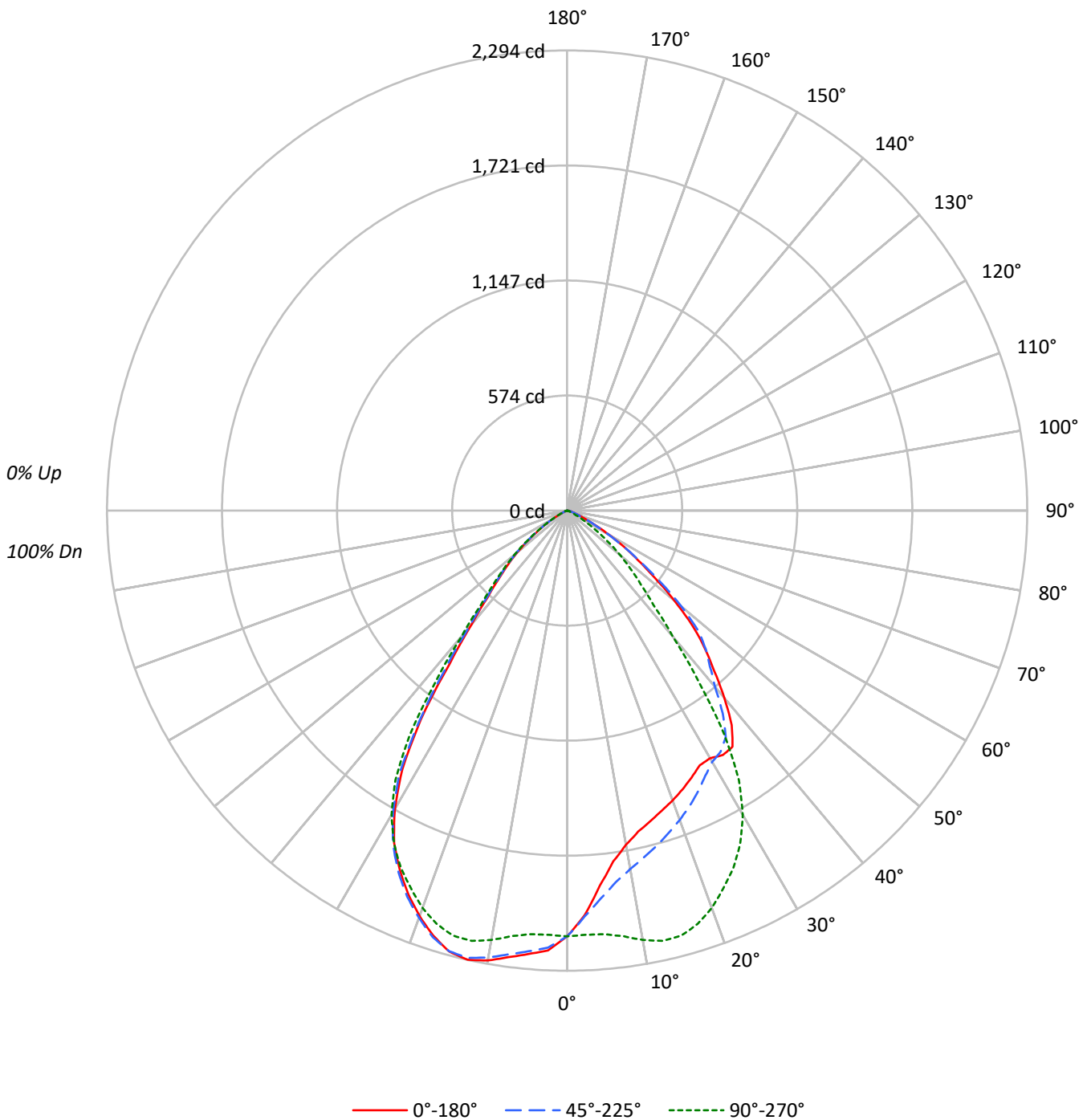
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244107

CATALOG NUMBER: LSR8B30D010 EC8B30840 8LBSW0LI

Luminous Intensity Polar Plot





TEST NUMBER: P244107

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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 | 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 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 91 | | | | | 91 | | | |
| 2 | 105 | 99 | 95 | 91 | 103 | 98 | 93 | 90 | 94 | 91 | 88 | 91 | 88 | 86 | 88 | 86 | 84 | 82 | | | | | 82 | | | |
| 3 | 99 | 91 | 85 | 80 | 96 | 89 | 84 | 79 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 78 | 76 | 74 | | | | | 74 | | | |
| 4 | 92 | 83 | 76 | 71 | 90 | 82 | 76 | 71 | 80 | 74 | 70 | 77 | 73 | 69 | 76 | 72 | 68 | 67 | | | | | 67 | | | |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 69 | 64 | 73 | 68 | 63 | 72 | 66 | 63 | 70 | 65 | 62 | 60 | | | | | 60 | | | |
| 6 | 81 | 70 | 63 | 58 | 79 | 69 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 65 | 60 | 56 | 55 | | | | | 55 | | | |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 52 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 50 | | | | | 50 | | | |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 53 | 48 | 58 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 47 | 46 | | | | | 46 | | | |
| 9 | 67 | 56 | 49 | 44 | 66 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 44 | 52 | 47 | 44 | 42 | | | | | 42 | | | |
| 10 | 63 | 52 | 45 | 41 | 62 | 52 | 45 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 49 | 44 | 40 | 39 | | | | | 39 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 65450 | 65450 | 65450 |
| 5° | 58070 | 65613 | 68687 |
| 10° | 52945 | 68050 | 71297 |
| 15° | 51168 | 70038 | 72656 |
| 20° | 50434 | 69175 | 70602 |
| 25° | 49941 | 66789 | 67208 |
| 30° | 50754 | 62330 | 61179 |
| 35° | 54098 | 51580 | 47842 |
| 40° | 49029 | 33020 | 29901 |
| 45° | 42318 | 22594 | 21037 |
| 50° | 33389 | 16479 | 15519 |
| 55° | 23177 | 10134 | 9532 |
| 60° | 14752 | 5125 | 4576 |
| 65° | 7362 | 2036 | 1547 |
| 70° | 4075 | 1010 | 550 |
| 75° | 2919 | 727 | 262 |
| 80° | 2380 | 497 | 107 |
| 85° | 2547 | 389 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 197.8 | 6.1 |
| 10°-20° | 571.4 | 17.6 |
| 20°-30° | 829.3 | 25.5 |
| 30°-40° | 816.8 | 25.1 |
| 40°-50° | 512.0 | 15.8 |
| 50°-60° | 247.1 | 7.6 |
| 60°-70° | 59.8 | 1.8 |
| 70°-80° | 12.1 | 0.4 |
| 80°-90° | 2.8 | 0.1 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1598.5 | 49.2 |
| 0°-40° | 2415.3 | 74.3 |
| 0°-60° | 3174.4 | 97.7 |
| 0°-90° | 3249.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3249.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2122 | 2122 | 2122 | 2122 | 2122 | |
| 5° | 1876 | 1940 | 2120 | 2206 | 2219 | 174 |
| 15° | 1603 | 1729 | 2194 | 2274 | 2276 | 453 |
| 25° | 1468 | 1544 | 1963 | 1990 | 1975 | 679 |
| 35° | 1437 | 1379 | 1370 | 1292 | 1271 | 870 |
| 45° | 970 | 977 | 518 | 496 | 482 | 742 |
| 55° | 431 | 445 | 188 | 186 | 177 | 397 |
| 65° | 101 | 100 | 28 | 24 | 21 | 115 |
| 75° | 24 | 21 | 6 | 3 | 2 | 28 |
| 85° | 7 | 6 | 1 | 0 | 0 | 7 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P244107

CATALOG NUMBER: LSR8B30D010 EC8B30840 8LBSWOLI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 |
| 2.5° | 2017.7 | 2004.8 | 1980.9 | 2009.9 | 2009.9 | 1993.7 | 2026.0 | 2006.5 | 2022.1 | 2046.7 | 2024.9 |
| 5° | 1876.0 | 1865.4 | 1845.3 | 1876.0 | 1879.9 | 1864.9 | 1903.9 | 1889.4 | 1912.3 | 1942.4 | 1939.6 |
| 7.5° | 1763.9 | 1750.5 | 1732.1 | 1763.9 | 1770.1 | 1760.0 | 1797.4 | 1790.7 | 1820.8 | 1859.8 | 1866.5 |
| 10° | 1690.9 | 1676.9 | 1660.8 | 1689.8 | 1694.2 | 1687.5 | 1725.4 | 1721.5 | 1751.1 | 1796.3 | 1814.1 |
| 12.5° | 1639.0 | 1627.3 | 1609.4 | 1640.1 | 1645.1 | 1635.7 | 1671.3 | 1669.7 | 1700.3 | 1747.7 | 1770.1 |
| 15° | 1602.8 | 1588.8 | 1572.6 | 1598.9 | 1605.5 | 1594.9 | 1629.0 | 1625.6 | 1656.8 | 1703.7 | 1728.8 |
| 17.5° | 1568.7 | 1555.9 | 1539.2 | 1563.7 | 1570.4 | 1559.3 | 1592.7 | 1587.1 | 1613.9 | 1658.5 | 1684.2 |
| 20° | 1536.9 | 1523.0 | 1507.9 | 1533.0 | 1536.9 | 1524.1 | 1557.6 | 1550.3 | 1574.3 | 1615.6 | 1640.7 |
| 22.5° | 1504.0 | 1489.5 | 1473.9 | 1498.5 | 1502.4 | 1489.5 | 1520.2 | 1511.9 | 1534.2 | 1571.5 | 1594.4 |
| 25° | 1467.8 | 1454.4 | 1438.8 | 1461.7 | 1465.0 | 1451.1 | 1483.4 | 1472.8 | 1492.3 | 1525.2 | 1544.2 |
| 27.5° | 1431.5 | 1418.7 | 1401.4 | 1424.9 | 1426.5 | 1413.1 | 1442.7 | 1428.2 | 1444.4 | 1474.5 | 1490.7 |
| 30° | 1425.4 | 1410.9 | 1393.1 | 1412.0 | 1412.6 | 1395.3 | 1423.2 | 1405.9 | 1414.8 | 1437.1 | 1446.6 |
| 32.5° | 1444.9 | 1430.4 | 1412.0 | 1427.6 | 1426.0 | 1407.0 | 1433.8 | 1412.6 | 1415.4 | 1427.1 | 1424.9 |
| 35° | 1437.1 | 1419.8 | 1398.1 | 1414.8 | 1414.8 | 1392.0 | 1418.7 | 1393.6 | 1390.8 | 1392.5 | 1378.6 |
| 37.5° | 1348.5 | 1335.1 | 1314.4 | 1330.6 | 1328.9 | 1311.6 | 1332.3 | 1311.6 | 1302.2 | 1298.3 | 1273.2 |
| 40° | 1218.0 | 1201.8 | 1186.2 | 1203.5 | 1205.1 | 1186.7 | 1213.5 | 1190.1 | 1187.3 | 1176.1 | 1146.6 |
| 42.5° | 1085.8 | 1080.2 | 1065.2 | 1079.7 | 1087.5 | 1071.8 | 1094.2 | 1083.0 | 1084.7 | 1081.9 | 1054.0 |
| 45° | 970.4 | 960.9 | 949.7 | 966.4 | 971.5 | 963.7 | 986.0 | 979.3 | 986.0 | 999.9 | 977.0 |
| 47.5° | 846.0 | 836.5 | 824.2 | 842.1 | 851.0 | 836.5 | 855.5 | 853.2 | 863.3 | 887.3 | 885.0 |
| 50° | 696.0 | 689.3 | 687.1 | 689.3 | 694.9 | 688.2 | 701.6 | 702.1 | 708.8 | 741.7 | 743.9 |
| 52.5° | 551.0 | 549.3 | 541.5 | 548.8 | 548.8 | 538.2 | 551.5 | 545.4 | 552.1 | 574.4 | 588.9 |
| 55° | 431.1 | 429.4 | 424.4 | 431.1 | 423.8 | 419.9 | 423.8 | 417.7 | 412.7 | 430.0 | 445.0 |
| 57.5° | 335.7 | 330.1 | 324.0 | 326.8 | 326.2 | 317.9 | 322.3 | 315.1 | 311.2 | 317.3 | 330.7 |
| 60° | 239.2 | 237.6 | 232.0 | 234.8 | 237.0 | 230.9 | 235.3 | 232.0 | 225.3 | 230.3 | 230.9 |
| 62.5° | 158.9 | 160.1 | 156.7 | 157.3 | 155.6 | 154.5 | 157.3 | 158.9 | 157.3 | 155.0 | 155.6 |
| 65° | 100.9 | 100.4 | 99.8 | 100.4 | 101.5 | 99.3 | 100.9 | 102.1 | 100.4 | 100.4 | 99.8 |
| 67.5° | 66.9 | 65.2 | 63.6 | 64.7 | 65.8 | 64.1 | 65.8 | 65.2 | 65.8 | 65.2 | 63.6 |
| 70° | 45.2 | 44.6 | 44.1 | 44.6 | 44.6 | 43.5 | 44.6 | 44.1 | 44.6 | 44.1 | 42.4 |
| 72.5° | 32.9 | 32.9 | 32.3 | 32.9 | 32.9 | 31.8 | 32.3 | 31.2 | 31.8 | 31.2 | 30.1 |
| 75° | 24.5 | 24.5 | 24.0 | 24.5 | 24.0 | 23.4 | 24.0 | 23.4 | 22.3 | 22.3 | 21.2 |
| 77.5° | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.3 | 17.3 | 16.7 | 16.2 | 15.6 | 15.6 |
| 80° | 13.4 | 12.8 | 12.8 | 12.8 | 12.8 | 12.3 | 12.8 | 12.3 | 11.7 | 11.2 | 10.6 |
| 82.5° | 9.5 | 10.0 | 9.5 | 9.5 | 9.5 | 8.9 | 9.5 | 8.9 | 8.9 | 8.4 | 7.2 |
| 85° | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 6.7 | 6.7 | 6.7 | 6.1 | 6.1 | 5.6 |
| 87.5° | 3.9 | 3.9 | 3.9 | 4.5 | 3.9 | 3.9 | 3.9 | 3.3 | 3.3 | 2.8 | 2.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P244107

CATALOG NUMBER: LSR8B30D010 EC8B30840 8LBSW0LI

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 |
| 2.5° | 2053.9 | 2056.7 | 2050.6 | 2060.0 | 2096.9 | 2067.3 | 2079.6 | 2083.5 | 2111.4 | 2116.4 | 2113.0 |
| 5° | 1975.8 | 1988.1 | 1995.9 | 2017.1 | 2057.8 | 2036.6 | 2058.4 | 2072.3 | 2108.0 | 2119.7 | 2122.5 |
| 7.5° | 1914.5 | 1940.1 | 1959.1 | 1993.7 | 2041.6 | 2025.5 | 2058.4 | 2081.2 | 2124.7 | 2139.8 | 2147.0 |
| 10° | 1868.8 | 1907.8 | 1940.7 | 1988.1 | 2042.2 | 2031.6 | 2074.5 | 2106.9 | 2155.4 | 2173.3 | 2182.2 |
| 12.5° | 1834.2 | 1881.6 | 1925.6 | 1985.9 | 2044.4 | 2039.4 | 2091.3 | 2128.1 | 2179.4 | 2197.2 | 2207.8 |
| 15° | 1796.3 | 1850.9 | 1902.2 | 1969.7 | 2032.7 | 2031.6 | 2087.4 | 2126.4 | 2178.8 | 2193.9 | 2203.9 |
| 17.5° | 1751.1 | 1809.7 | 1866.0 | 1939.0 | 2001.5 | 2002.6 | 2058.9 | 2097.4 | 2148.7 | 2161.0 | 2167.7 |
| 20° | 1705.4 | 1763.4 | 1819.7 | 1895.0 | 1956.3 | 1958.0 | 2013.2 | 2048.9 | 2098.0 | 2108.0 | 2109.7 |
| 22.5° | 1656.8 | 1710.9 | 1767.3 | 1842.0 | 1901.1 | 1902.2 | 1956.9 | 1990.3 | 2032.2 | 2037.2 | 2041.6 |
| 25° | 1601.6 | 1654.6 | 1707.6 | 1781.8 | 1838.1 | 1841.4 | 1891.1 | 1920.6 | 1959.1 | 1963.0 | 1964.7 |
| 27.5° | 1544.2 | 1587.7 | 1638.4 | 1702.0 | 1758.9 | 1756.7 | 1803.5 | 1837.0 | 1871.6 | 1869.3 | 1868.8 |
| 30° | 1486.2 | 1522.4 | 1553.7 | 1615.0 | 1656.8 | 1658.5 | 1702.6 | 1718.8 | 1755.0 | 1750.5 | 1750.0 |
| 32.5° | 1445.5 | 1455.0 | 1463.3 | 1494.6 | 1534.2 | 1520.2 | 1550.3 | 1570.4 | 1595.5 | 1593.8 | 1594.4 |
| 35° | 1370.8 | 1353.5 | 1328.4 | 1332.8 | 1356.8 | 1335.1 | 1351.2 | 1350.7 | 1376.3 | 1370.2 | 1377.5 |
| 37.5° | 1243.1 | 1194.0 | 1138.2 | 1106.4 | 1110.9 | 1083.6 | 1078.0 | 1091.4 | 1100.3 | 1083.0 | 1089.1 |
| 40° | 1107.0 | 1034.5 | 947.5 | 875.0 | 871.1 | 837.1 | 830.9 | 817.5 | 834.8 | 820.3 | 824.8 |
| 42.5° | 1006.6 | 910.7 | 796.4 | 708.2 | 689.3 | 660.8 | 644.1 | 641.9 | 646.9 | 636.9 | 634.1 |
| 45° | 929.6 | 827.6 | 696.5 | 595.6 | 574.4 | 543.7 | 527.0 | 520.9 | 521.4 | 518.1 | 515.3 |
| 47.5° | 839.3 | 736.7 | 604.0 | 500.8 | 476.8 | 447.8 | 431.1 | 427.2 | 429.4 | 424.9 | 421.6 |
| 50° | 714.4 | 622.4 | 501.3 | 407.1 | 385.9 | 364.7 | 351.3 | 347.4 | 346.9 | 343.5 | 341.3 |
| 52.5° | 580.0 | 503.6 | 398.7 | 320.1 | 301.1 | 280.5 | 271.0 | 266.0 | 266.6 | 263.2 | 259.9 |
| 55° | 448.9 | 401.5 | 309.0 | 242.0 | 224.7 | 208.6 | 199.6 | 193.5 | 191.8 | 188.5 | 186.8 |
| 57.5° | 334.0 | 302.3 | 231.4 | 174.6 | 164.5 | 148.9 | 140.0 | 132.7 | 131.6 | 129.9 | 129.4 |
| 60° | 234.2 | 211.4 | 162.8 | 124.4 | 112.7 | 103.2 | 94.2 | 87.0 | 83.7 | 83.1 | 81.4 |
| 62.5° | 151.7 | 137.7 | 107.1 | 83.1 | 74.2 | 67.5 | 58.6 | 53.5 | 51.3 | 49.1 | 49.6 |
| 65° | 94.2 | 83.7 | 66.9 | 53.5 | 48.5 | 43.5 | 36.8 | 32.3 | 30.1 | 27.9 | 28.4 |
| 67.5° | 58.6 | 52.4 | 42.4 | 34.6 | 31.2 | 27.3 | 22.3 | 19.0 | 17.3 | 15.6 | 14.5 |
| 70° | 39.6 | 34.0 | 29.0 | 24.5 | 22.3 | 19.5 | 16.2 | 13.4 | 12.3 | 11.2 | 10.0 |
| 72.5° | 27.9 | 25.1 | 21.2 | 18.4 | 16.7 | 14.5 | 12.3 | 10.6 | 9.5 | 8.4 | 7.2 |
| 75° | 20.1 | 17.8 | 15.6 | 13.4 | 12.3 | 11.2 | 9.5 | 8.4 | 7.2 | 6.1 | 5.0 |
| 77.5° | 14.5 | 12.8 | 11.2 | 10.0 | 9.5 | 7.8 | 6.7 | 6.1 | 5.6 | 4.5 | 3.3 |
| 80° | 10.0 | 8.9 | 7.2 | 6.7 | 6.7 | 5.6 | 5.0 | 4.5 | 3.9 | 2.8 | 2.2 |
| 82.5° | 6.7 | 6.1 | 5.6 | 5.0 | 4.5 | 3.9 | 3.9 | 2.8 | 2.2 | 1.7 | 1.1 |
| 85° | 5.0 | 4.5 | 3.9 | 3.3 | 3.3 | 2.8 | 2.2 | 1.7 | 1.7 | 1.1 | 0.6 |
| 87.5° | 2.8 | 2.8 | 2.2 | 1.7 | 1.7 | 1.1 | 1.1 | 0.6 | 0.6 | 0.6 | 0.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P244107

CATALOG NUMBER: LSR8B30D010 EC8B30840 8LBSW0LI

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 |
| 2.5° | 2141.5 | 2143.1 | 2152.6 | 2145.4 | 2163.8 | 2177.2 | 2170.5 | 2185.5 | 2180.5 | 2179.4 | 2196.7 |
| 5° | 2156.0 | 2159.9 | 2172.7 | 2166.0 | 2186.1 | 2200.6 | 2193.9 | 2210.6 | 2205.6 | 2204.5 | 2222.3 |
| 7.5° | 2183.8 | 2187.8 | 2198.9 | 2193.3 | 2214.5 | 2227.3 | 2219.0 | 2237.4 | 2230.7 | 2230.1 | 2247.4 |
| 10° | 2219.0 | 2224.6 | 2234.0 | 2228.5 | 2248.0 | 2259.1 | 2250.8 | 2268.6 | 2262.5 | 2259.7 | 2278.7 |
| 12.5° | 2245.2 | 2249.1 | 2258.6 | 2254.1 | 2273.1 | 2281.4 | 2274.2 | 2291.5 | 2283.7 | 2281.4 | 2298.2 |
| 15° | 2239.1 | 2243.0 | 2250.8 | 2246.9 | 2264.7 | 2272.5 | 2263.0 | 2282.0 | 2274.2 | 2269.7 | 2284.8 |
| 17.5° | 2200.0 | 2202.3 | 2207.8 | 2203.9 | 2222.9 | 2227.9 | 2217.3 | 2236.3 | 2229.0 | 2221.2 | 2235.7 |
| 20° | 2142.6 | 2141.5 | 2144.8 | 2143.1 | 2158.8 | 2161.5 | 2154.9 | 2168.8 | 2160.4 | 2156.0 | 2164.3 |
| 22.5° | 2071.2 | 2070.1 | 2072.3 | 2067.9 | 2083.5 | 2085.1 | 2075.1 | 2091.8 | 2083.5 | 2075.1 | 2089.0 |
| 25° | 1992.0 | 1985.9 | 1984.8 | 1986.4 | 1997.0 | 1998.7 | 1988.1 | 2000.4 | 1989.8 | 1983.1 | 1996.5 |
| 27.5° | 1894.4 | 1886.6 | 1884.9 | 1886.6 | 1897.2 | 1889.4 | 1880.5 | 1889.4 | 1878.8 | 1872.7 | 1881.0 |
| 30° | 1774.0 | 1762.8 | 1757.8 | 1754.4 | 1765.6 | 1762.8 | 1742.2 | 1752.2 | 1735.5 | 1726.6 | 1732.7 |
| 32.5° | 1611.7 | 1605.5 | 1592.2 | 1584.4 | 1594.9 | 1573.8 | 1560.9 | 1560.9 | 1554.2 | 1539.2 | 1542.5 |
| 35° | 1386.4 | 1376.9 | 1364.6 | 1357.9 | 1359.6 | 1331.2 | 1310.0 | 1314.4 | 1292.1 | 1288.2 | 1289.9 |
| 37.5° | 1101.4 | 1085.8 | 1081.3 | 1067.4 | 1070.7 | 1045.6 | 1016.6 | 1017.2 | 1005.5 | 993.2 | 989.3 |
| 40° | 827.6 | 824.8 | 820.3 | 808.6 | 813.1 | 785.8 | 774.6 | 775.2 | 767.4 | 758.4 | 762.9 |
| 42.5° | 639.7 | 630.7 | 627.9 | 624.0 | 625.2 | 620.7 | 606.2 | 607.9 | 601.2 | 598.9 | 596.7 |
| 45° | 519.8 | 510.3 | 503.6 | 506.9 | 506.9 | 501.9 | 496.3 | 499.7 | 496.3 | 491.9 | 494.1 |
| 47.5° | 428.3 | 419.4 | 416.0 | 415.5 | 419.4 | 416.0 | 410.4 | 411.6 | 411.0 | 409.3 | 408.2 |
| 50° | 341.9 | 339.6 | 336.8 | 335.2 | 336.8 | 335.7 | 330.7 | 333.5 | 335.2 | 329.6 | 331.3 |
| 52.5° | 260.4 | 260.4 | 259.9 | 256.0 | 259.3 | 256.0 | 255.4 | 256.5 | 254.9 | 252.6 | 252.1 |
| 55° | 190.7 | 189.1 | 186.3 | 185.7 | 186.8 | 185.7 | 184.6 | 185.1 | 186.3 | 180.7 | 180.7 |
| 57.5° | 130.5 | 129.4 | 127.7 | 127.7 | 129.9 | 127.1 | 125.5 | 127.7 | 125.5 | 123.2 | 123.2 |
| 60° | 83.7 | 83.1 | 81.4 | 81.4 | 81.4 | 80.9 | 79.2 | 79.7 | 80.9 | 77.5 | 78.1 |
| 62.5° | 50.2 | 48.5 | 48.0 | 47.4 | 48.0 | 47.4 | 47.4 | 46.8 | 46.3 | 46.3 | 44.6 |
| 65° | 27.3 | 26.2 | 25.1 | 25.7 | 25.7 | 25.1 | 25.1 | 25.1 | 24.0 | 23.4 | 22.9 |
| 67.5° | 13.9 | 12.8 | 12.8 | 12.3 | 12.3 | 12.3 | 12.3 | 11.7 | 11.7 | 11.7 | 11.2 |
| 70° | 8.9 | 8.4 | 7.8 | 7.8 | 7.8 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 6.7 |
| 72.5° | 6.1 | 5.6 | 5.0 | 5.0 | 5.0 | 4.5 | 4.5 | 4.5 | 4.5 | 3.9 | 3.9 |
| 75° | 4.5 | 3.9 | 3.3 | 3.3 | 3.3 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 77.5° | 2.8 | 2.2 | 2.2 | 2.2 | 2.2 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.1 |
| 80° | 1.7 | 1.7 | 1.1 | 1.1 | 1.1 | 1.1 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 82.5° | 1.1 | 1.1 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.0 |
| 85° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 |



TEST NUMBER: P244107

CATALOG NUMBER: LSR8B30D010 EC8B30840 8LBSW0LI

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 | 2122.5 |
| 2.5° | 2190.5 | 2186.1 | 2188.9 | 2209.5 | 2200.6 | 2197.8 | 2174.4 | 2195.0 |
| 5° | 2216.8 | 2213.4 | 2213.4 | 2236.8 | 2226.2 | 2224.0 | 2201.1 | 2219.0 |
| 7.5° | 2241.3 | 2237.9 | 2238.5 | 2262.5 | 2254.1 | 2250.8 | 2227.9 | 2245.8 |
| 10° | 2273.1 | 2270.8 | 2271.4 | 2294.3 | 2285.3 | 2282.0 | 2258.6 | 2277.0 |
| 12.5° | 2292.0 | 2288.7 | 2288.7 | 2313.2 | 2303.2 | 2298.2 | 2275.9 | 2293.7 |
| 15° | 2277.5 | 2272.5 | 2272.5 | 2297.1 | 2285.9 | 2278.7 | 2259.1 | 2275.9 |
| 17.5° | 2227.9 | 2222.9 | 2222.9 | 2244.1 | 2235.7 | 2225.1 | 2205.0 | 2220.7 |
| 20° | 2158.8 | 2152.6 | 2150.9 | 2175.5 | 2163.8 | 2154.3 | 2136.4 | 2151.5 |
| 22.5° | 2080.7 | 2077.9 | 2072.9 | 2097.4 | 2086.8 | 2076.8 | 2057.8 | 2069.5 |
| 25° | 1987.0 | 1982.5 | 1977.5 | 2001.5 | 1990.9 | 1980.9 | 1965.8 | 1975.3 |
| 27.5° | 1870.4 | 1871.0 | 1868.2 | 1887.2 | 1876.6 | 1871.0 | 1852.6 | 1868.2 |
| 30° | 1729.3 | 1723.2 | 1721.0 | 1743.3 | 1733.2 | 1726.0 | 1703.1 | 1718.2 |
| 32.5° | 1545.3 | 1536.4 | 1524.7 | 1549.8 | 1532.5 | 1526.4 | 1506.8 | 1528.6 |
| 35° | 1277.6 | 1274.8 | 1264.2 | 1285.4 | 1276.0 | 1264.8 | 1252.5 | 1270.9 |
| 37.5° | 987.6 | 989.9 | 988.8 | 994.3 | 988.8 | 981.5 | 968.1 | 961.4 |
| 40° | 754.0 | 748.4 | 743.9 | 754.0 | 742.3 | 742.3 | 734.5 | 742.8 |
| 42.5° | 591.1 | 588.9 | 594.5 | 596.7 | 590.0 | 588.9 | 587.8 | 587.2 |
| 45° | 488.0 | 488.0 | 489.1 | 491.3 | 489.1 | 488.0 | 484.6 | 482.4 |
| 47.5° | 402.1 | 404.3 | 402.1 | 409.3 | 405.4 | 404.3 | 397.6 | 400.4 |
| 50° | 325.7 | 322.9 | 325.7 | 327.9 | 328.5 | 325.1 | 321.8 | 323.5 |
| 52.5° | 252.6 | 248.2 | 247.0 | 250.4 | 248.2 | 248.2 | 245.9 | 245.4 |
| 55° | 177.9 | 179.6 | 176.8 | 179.6 | 178.5 | 176.8 | 175.1 | 177.3 |
| 57.5° | 120.5 | 121.0 | 119.9 | 121.6 | 118.8 | 119.3 | 118.8 | 118.2 |
| 60° | 78.1 | 75.8 | 75.8 | 77.5 | 74.7 | 74.7 | 74.2 | 74.2 |
| 62.5° | 44.6 | 44.1 | 44.1 | 43.5 | 42.9 | 42.9 | 42.9 | 41.8 |
| 65° | 22.9 | 22.3 | 21.7 | 21.7 | 21.7 | 21.7 | 21.2 | 21.2 |
| 67.5° | 11.2 | 10.6 | 10.6 | 11.2 | 10.6 | 10.6 | 10.6 | 10.6 |
| 70° | 6.7 | 6.7 | 6.1 | 6.7 | 6.1 | 6.1 | 6.1 | 6.1 |
| 72.5° | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 75° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 77.5° | 1.7 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 80° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 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 |

(END OF REPORT)