

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: P858258

Luminaire Tested: **LX4C45D010 EX4C459850 4LBLWW***

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P858258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-1)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C45D010 EX4C459850 4LBLWW*
Description:
Light Source: -
Ballast/Driver: -

Summary

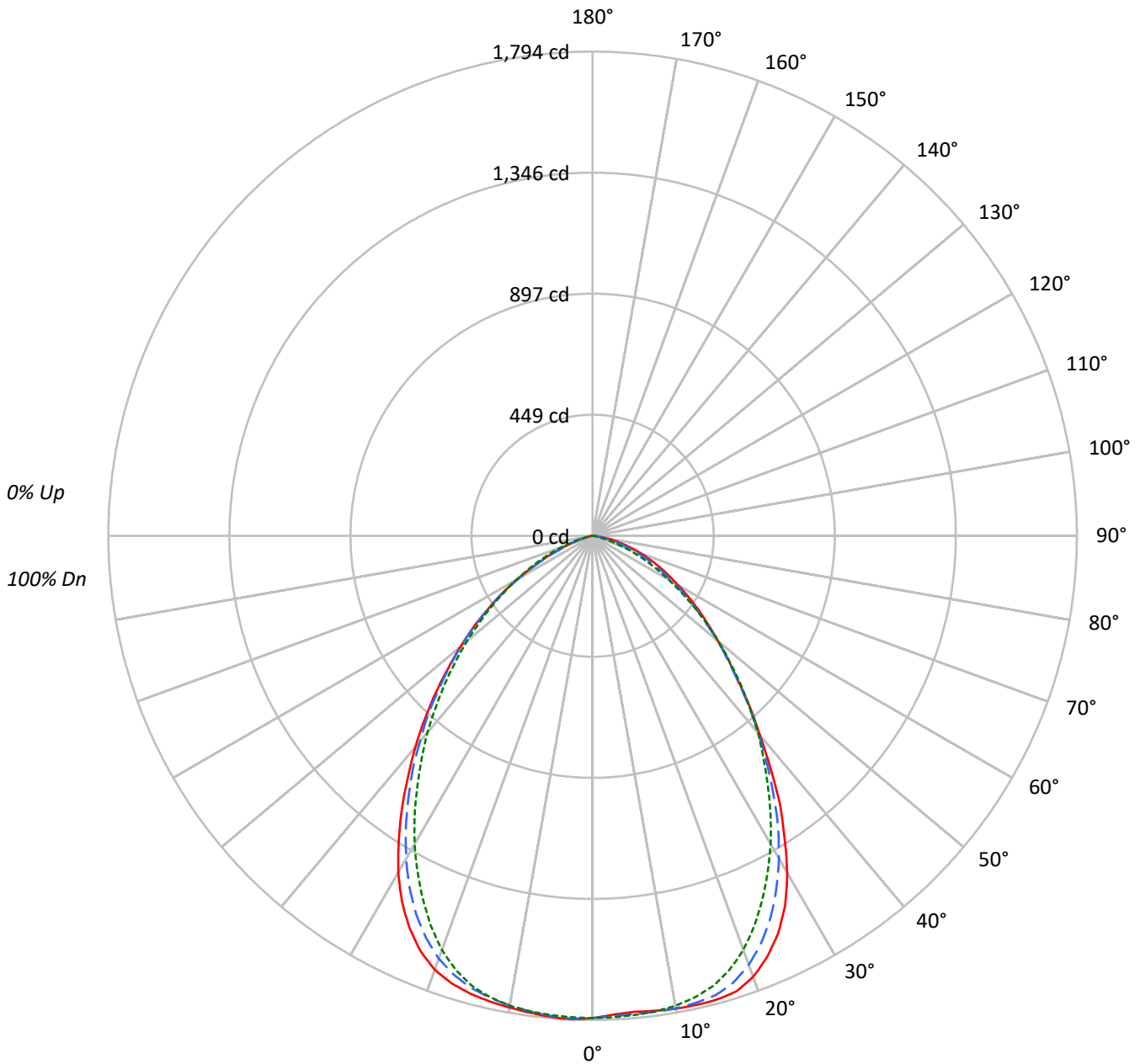
Lumens per Lamp: N/A
Luminaire Lumens: 3426.1 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
Input Voltage (V):
Input Current (A_{in}): 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: P858258

CATALOG NUMBER: LX4C45D010 EX4C459850 4LBLWW*

Luminous Intensity Polar Plot





TEST NUMBER: P858258

CATALOG NUMBER: LX4C45D010 EX4C459850 4LBLWW*

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 |
| 1 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99 | 101 | 99 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 89 | | | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 84 | 81 | 85 | 82 | 80 | 78 | | | 78 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 | | | 68 |
| 4 | 88 | 78 | 71 | 65 | 86 | 77 | 70 | 65 | 75 | 69 | 64 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | | | 60 |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 63 | 57 | 68 | 61 | 57 | 66 | 60 | 56 | 64 | 59 | 55 | 54 | | | 54 |
| 6 | 76 | 65 | 57 | 51 | 75 | 64 | 56 | 51 | 62 | 56 | 51 | 61 | 55 | 50 | 59 | 54 | 50 | 48 | | | 48 |
| 7 | 71 | 59 | 51 | 46 | 70 | 59 | 51 | 46 | 57 | 50 | 46 | 56 | 50 | 45 | 54 | 49 | 45 | 43 | | | 43 |
| 8 | 67 | 55 | 47 | 42 | 65 | 54 | 47 | 42 | 53 | 46 | 41 | 52 | 46 | 41 | 50 | 45 | 41 | 39 | | | 39 |
| 9 | 63 | 51 | 43 | 38 | 61 | 50 | 43 | 38 | 49 | 42 | 38 | 48 | 42 | 38 | 47 | 41 | 37 | 36 | | | 36 |
| 10 | 59 | 47 | 40 | 35 | 58 | 46 | 39 | 35 | 45 | 39 | 35 | 45 | 39 | 35 | 44 | 38 | 34 | 33 | | | 33 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 219551 | 219551 | 219551 |
| 5° | 218318 | 219798 | 220624 |
| 10° | 221928 | 220581 | 221416 |
| 15° | 226266 | 219614 | 223277 |
| 20° | 227406 | 213456 | 223627 |
| 25° | 220410 | 201582 | 217401 |
| 30° | 204575 | 187055 | 204192 |
| 35° | 181156 | 169683 | 184576 |
| 40° | 154440 | 152820 | 163694 |
| 45° | 132686 | 134198 | 142589 |
| 50° | 115803 | 116071 | 122244 |
| 55° | 102339 | 98013 | 101333 |
| 60° | 89708 | 79978 | 79634 |
| 65° | 79389 | 62035 | 55203 |
| 70° | 67745 | 42673 | 32759 |
| 75° | 54777 | 22927 | 15000 |
| 80° | 37497 | 5660 | 3820 |
| 85° | 11277 | 1832 | 1832 |



TEST NUMBER: P858258

CATALOG NUMBER: LX4C45D010 EX4C459850 4LBLWW*

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 169.8 | 5.0 |
| 10°-20° | 491.7 | 14.4 |
| 20°-30° | 710.4 | 20.7 |
| 30°-40° | 734.4 | 21.4 |
| 40°-50° | 606.8 | 17.7 |
| 50°-60° | 418.8 | 12.2 |
| 60°-70° | 219.3 | 6.4 |
| 70°-80° | 69.0 | 2.0 |
| 80°-90° | 5.9 | 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° | 1371.9 | 40.0 |
| 0°-40° | 2106.3 | 61.5 |
| 0°-60° | 3131.9 | 91.4 |
| 0°-90° | 3426.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3426.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1787 | 1787 | 1787 | 1787 | 1787 | |
| 5° | 1770 | 1779 | 1782 | 1786 | 1789 | 169 |
| 15° | 1779 | 1762 | 1727 | 1735 | 1756 | 502 |
| 25° | 1626 | 1560 | 1487 | 1547 | 1604 | 742 |
| 35° | 1208 | 1168 | 1131 | 1190 | 1231 | 750 |
| 45° | 764 | 760 | 772 | 808 | 821 | 595 |
| 55° | 478 | 463 | 458 | 470 | 473 | 429 |
| 65° | 273 | 248 | 213 | 177 | 190 | 271 |
| 75° | 115 | 91 | 48 | 33 | 32 | 124 |
| 85° | 8 | 4 | 1 | 1 | 1 | 17 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P858258

CATALOG NUMBER: LX4C45D010 EX4C459850 4LBLWW*

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 |
| 2.5° | 1775.6 | 1776.3 | 1776.3 | 1777.6 | 1777.6 | 1777.6 | 1778.3 | 1778.3 | 1779.0 | 1779.6 | 1780.4 |
| 5° | 1770.3 | 1770.3 | 1771.6 | 1772.2 | 1773.6 | 1774.3 | 1775.6 | 1776.3 | 1777.6 | 1778.3 | 1779.0 |
| 7.5° | 1775.6 | 1775.6 | 1776.3 | 1777.0 | 1777.0 | 1777.6 | 1777.6 | 1778.3 | 1779.0 | 1779.6 | 1779.6 |
| 10° | 1779.0 | 1779.0 | 1779.0 | 1779.0 | 1779.6 | 1779.6 | 1779.6 | 1779.0 | 1779.0 | 1779.0 | 1778.3 |
| 12.5° | 1780.4 | 1780.4 | 1779.6 | 1779.0 | 1779.6 | 1779.0 | 1779.0 | 1777.0 | 1775.6 | 1774.3 | 1772.2 |
| 15° | 1779.0 | 1779.0 | 1778.3 | 1777.6 | 1777.0 | 1775.6 | 1774.9 | 1771.6 | 1768.9 | 1764.8 | 1762.2 |
| 17.5° | 1770.3 | 1768.9 | 1767.6 | 1766.3 | 1763.5 | 1761.5 | 1760.2 | 1754.1 | 1749.4 | 1742.7 | 1735.3 |
| 20° | 1739.4 | 1738.0 | 1736.0 | 1732.7 | 1729.4 | 1726.7 | 1722.6 | 1713.9 | 1709.2 | 1699.1 | 1691.7 |
| 22.5° | 1689.0 | 1687.7 | 1688.4 | 1682.4 | 1675.7 | 1671.6 | 1668.9 | 1661.6 | 1653.5 | 1640.7 | 1632.7 |
| 25° | 1626.0 | 1622.0 | 1622.0 | 1612.5 | 1609.2 | 1606.6 | 1603.2 | 1594.4 | 1582.4 | 1571.0 | 1560.2 |
| 27.5° | 1544.1 | 1538.7 | 1536.0 | 1534.7 | 1526.7 | 1520.6 | 1516.0 | 1509.2 | 1499.1 | 1489.1 | 1474.3 |
| 30° | 1442.1 | 1441.4 | 1438.1 | 1432.0 | 1426.0 | 1423.3 | 1418.0 | 1406.5 | 1397.2 | 1389.8 | 1380.3 |
| 32.5° | 1322.0 | 1321.3 | 1321.3 | 1321.3 | 1317.3 | 1316.7 | 1308.5 | 1302.6 | 1295.2 | 1283.8 | 1277.7 |
| 35° | 1207.9 | 1207.2 | 1207.9 | 1197.9 | 1195.2 | 1193.2 | 1192.4 | 1188.4 | 1178.3 | 1173.0 | 1167.6 |
| 37.5° | 1079.1 | 1081.1 | 1079.7 | 1077.0 | 1080.4 | 1074.4 | 1079.1 | 1070.4 | 1066.3 | 1065.0 | 1058.9 |
| 40° | 963.0 | 968.3 | 963.0 | 963.6 | 967.0 | 960.9 | 960.9 | 959.6 | 956.9 | 955.6 | 954.3 |
| 42.5° | 863.7 | 857.0 | 861.0 | 857.6 | 861.0 | 858.9 | 855.6 | 857.6 | 858.3 | 855.6 | 854.9 |
| 45° | 763.7 | 765.0 | 766.4 | 764.3 | 764.3 | 762.4 | 767.7 | 764.3 | 764.3 | 765.0 | 760.3 |
| 47.5° | 682.5 | 680.5 | 681.8 | 680.5 | 681.1 | 679.8 | 681.1 | 681.8 | 680.5 | 680.5 | 676.4 |
| 50° | 605.9 | 604.6 | 609.3 | 605.3 | 605.3 | 604.6 | 605.3 | 604.0 | 601.9 | 601.9 | 603.3 |
| 52.5° | 539.5 | 536.8 | 536.2 | 539.5 | 534.9 | 534.9 | 535.5 | 534.2 | 531.5 | 530.1 | 526.8 |
| 55° | 477.8 | 477.1 | 477.8 | 475.1 | 473.8 | 473.8 | 470.4 | 469.1 | 468.4 | 465.0 | 463.0 |
| 57.5° | 420.1 | 418.0 | 418.8 | 418.0 | 415.4 | 414.7 | 412.1 | 412.1 | 409.3 | 406.6 | 403.3 |
| 60° | 365.1 | 365.1 | 367.0 | 364.4 | 362.4 | 361.1 | 359.7 | 358.3 | 353.7 | 348.9 | 344.9 |
| 62.5° | 316.0 | 316.7 | 316.0 | 314.1 | 312.7 | 311.4 | 310.1 | 306.0 | 301.9 | 299.3 | 294.6 |
| 65° | 273.1 | 272.4 | 270.5 | 269.1 | 265.7 | 265.7 | 263.1 | 261.0 | 256.4 | 252.4 | 247.6 |
| 67.5° | 228.8 | 227.5 | 227.5 | 227.5 | 223.5 | 222.8 | 221.4 | 217.4 | 213.4 | 208.0 | 204.0 |
| 70° | 188.6 | 189.9 | 187.9 | 185.9 | 183.9 | 183.2 | 181.2 | 177.2 | 172.5 | 167.1 | 163.7 |
| 72.5° | 150.3 | 151.7 | 149.6 | 149.0 | 144.9 | 143.6 | 142.9 | 139.6 | 134.2 | 130.8 | 125.5 |
| 75° | 115.4 | 116.1 | 114.8 | 113.4 | 110.8 | 110.0 | 106.7 | 104.0 | 100.7 | 95.3 | 90.6 |
| 77.5° | 83.2 | 81.9 | 81.9 | 79.2 | 76.5 | 76.5 | 75.8 | 71.8 | 67.1 | 63.0 | 59.0 |
| 80° | 53.0 | 52.3 | 50.3 | 49.0 | 47.0 | 46.3 | 45.7 | 42.3 | 38.9 | 36.2 | 33.5 |
| 82.5° | 26.8 | 26.1 | 25.5 | 24.8 | 23.5 | 22.1 | 22.8 | 20.2 | 18.8 | 16.1 | 14.1 |
| 85° | 8.0 | 8.7 | 8.7 | 8.0 | 7.4 | 7.4 | 7.4 | 6.7 | 5.4 | 4.7 | 4.0 |
| 87.5° | 0.0 | 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: P858258

CATALOG NUMBER: LX4C45D010 EX4C459850 4LBLWW*

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 |
| 2.5° | 1781.0 | 1781.7 | 1782.3 | 1783.0 | 1783.0 | 1783.7 | 1784.4 | 1785.0 | 1785.7 | 1785.7 | 1786.3 |
| 5° | 1779.6 | 1781.0 | 1781.0 | 1781.7 | 1781.7 | 1781.7 | 1782.3 | 1782.3 | 1782.3 | 1782.3 | 1783.0 |
| 7.5° | 1780.4 | 1780.4 | 1780.4 | 1779.6 | 1779.6 | 1779.0 | 1779.0 | 1779.0 | 1777.6 | 1777.6 | 1777.6 |
| 10° | 1777.0 | 1776.3 | 1775.6 | 1774.3 | 1773.6 | 1773.0 | 1771.6 | 1770.3 | 1768.9 | 1768.2 | 1766.9 |
| 12.5° | 1770.3 | 1767.6 | 1764.8 | 1762.2 | 1760.8 | 1760.2 | 1757.5 | 1755.5 | 1753.5 | 1751.5 | 1750.1 |
| 15° | 1756.8 | 1752.8 | 1748.1 | 1742.7 | 1741.4 | 1740.1 | 1735.3 | 1731.3 | 1728.6 | 1726.7 | 1723.3 |
| 17.5° | 1730.0 | 1722.0 | 1716.6 | 1708.5 | 1705.2 | 1703.9 | 1696.4 | 1692.4 | 1687.7 | 1686.4 | 1683.7 |
| 20° | 1682.4 | 1675.0 | 1664.9 | 1657.5 | 1653.5 | 1649.5 | 1643.4 | 1638.0 | 1632.7 | 1632.7 | 1629.3 |
| 22.5° | 1622.6 | 1613.3 | 1600.5 | 1591.0 | 1590.4 | 1582.4 | 1577.0 | 1571.0 | 1568.9 | 1564.9 | 1564.9 |
| 25° | 1547.4 | 1539.4 | 1525.3 | 1517.3 | 1513.2 | 1511.2 | 1502.5 | 1494.5 | 1490.5 | 1487.1 | 1489.7 |
| 27.5° | 1464.2 | 1452.2 | 1441.4 | 1431.3 | 1428.0 | 1424.0 | 1415.9 | 1412.6 | 1405.2 | 1404.5 | 1403.9 |
| 30° | 1369.0 | 1356.9 | 1346.2 | 1341.4 | 1334.8 | 1331.4 | 1325.3 | 1321.3 | 1318.6 | 1318.6 | 1317.3 |
| 32.5° | 1268.9 | 1258.2 | 1252.9 | 1242.8 | 1239.4 | 1234.8 | 1230.7 | 1226.7 | 1228.0 | 1226.7 | 1227.4 |
| 35° | 1161.0 | 1158.3 | 1148.2 | 1142.1 | 1142.1 | 1141.4 | 1134.7 | 1132.1 | 1130.7 | 1131.4 | 1134.7 |
| 37.5° | 1058.2 | 1050.2 | 1043.5 | 1039.5 | 1042.8 | 1038.8 | 1038.2 | 1038.2 | 1042.2 | 1039.5 | 1044.9 |
| 40° | 948.9 | 948.2 | 945.5 | 946.9 | 947.6 | 942.8 | 944.2 | 944.9 | 947.6 | 952.9 | 953.5 |
| 42.5° | 853.6 | 853.0 | 853.0 | 853.0 | 851.6 | 848.8 | 851.6 | 856.3 | 855.6 | 859.6 | 863.0 |
| 45° | 761.6 | 760.3 | 763.0 | 761.0 | 765.0 | 766.4 | 764.3 | 765.6 | 769.7 | 772.4 | 777.8 |
| 47.5° | 677.8 | 677.8 | 678.4 | 679.8 | 675.8 | 679.2 | 680.5 | 683.2 | 685.1 | 686.5 | 689.1 |
| 50° | 600.0 | 600.0 | 598.6 | 598.6 | 598.6 | 600.6 | 597.9 | 601.3 | 601.9 | 607.3 | 610.7 |
| 52.5° | 528.1 | 524.8 | 526.8 | 525.4 | 522.7 | 521.4 | 522.7 | 523.5 | 527.5 | 528.8 | 532.8 |
| 55° | 459.7 | 459.7 | 454.3 | 453.0 | 455.0 | 454.3 | 453.6 | 453.6 | 455.7 | 457.6 | 461.0 |
| 57.5° | 399.3 | 395.2 | 391.2 | 390.6 | 388.5 | 389.2 | 389.2 | 388.5 | 387.2 | 387.9 | 388.5 |
| 60° | 342.3 | 339.6 | 333.5 | 333.5 | 332.9 | 332.2 | 328.8 | 328.2 | 324.8 | 325.5 | 322.8 |
| 62.5° | 289.9 | 288.6 | 280.5 | 277.8 | 277.8 | 275.8 | 272.4 | 271.8 | 267.1 | 267.1 | 264.4 |
| 65° | 242.9 | 238.9 | 234.2 | 229.5 | 229.5 | 226.9 | 224.8 | 218.7 | 215.4 | 213.4 | 209.4 |
| 67.5° | 200.0 | 194.0 | 189.2 | 185.2 | 182.5 | 181.8 | 177.2 | 173.2 | 167.7 | 164.4 | 158.4 |
| 70° | 158.4 | 153.6 | 149.0 | 144.9 | 142.2 | 139.6 | 134.9 | 128.9 | 124.8 | 118.8 | 114.8 |
| 72.5° | 119.4 | 115.4 | 111.4 | 106.0 | 102.6 | 100.7 | 96.0 | 90.6 | 83.9 | 79.9 | 74.5 |
| 75° | 85.9 | 81.2 | 75.8 | 71.2 | 69.1 | 67.1 | 61.7 | 57.7 | 53.0 | 48.3 | 43.0 |
| 77.5° | 55.7 | 50.3 | 46.3 | 40.9 | 40.3 | 38.9 | 33.5 | 29.5 | 26.1 | 23.5 | 20.2 |
| 80° | 29.5 | 26.8 | 23.5 | 20.2 | 18.8 | 16.8 | 14.1 | 12.0 | 10.1 | 8.0 | 6.7 |
| 82.5° | 12.8 | 10.7 | 8.7 | 7.4 | 6.7 | 6.1 | 4.7 | 4.0 | 3.4 | 3.4 | 2.7 |
| 85° | 3.4 | 2.7 | 2.7 | 2.1 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.0 | 0.7 | 0.7 | 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: P858258

CATALOG NUMBER: LX4C45D010 EX4C459850 4LBLWW*

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 |
| 2.5° | 1787.1 | 1787.7 | 1788.4 | 1788.4 | 1789.0 | 1789.7 | 1789.7 | 1790.4 | 1791.1 | 1791.7 | 1791.7 |
| 5° | 1783.7 | 1783.7 | 1783.7 | 1784.4 | 1784.4 | 1784.4 | 1784.4 | 1785.7 | 1785.7 | 1786.3 | 1787.1 |
| 7.5° | 1777.0 | 1777.0 | 1777.0 | 1777.0 | 1776.3 | 1777.0 | 1776.3 | 1776.3 | 1777.6 | 1778.3 | 1779.0 |
| 10° | 1766.3 | 1765.6 | 1765.6 | 1764.8 | 1764.8 | 1764.8 | 1765.6 | 1766.3 | 1766.9 | 1767.6 | 1769.6 |
| 12.5° | 1749.4 | 1748.8 | 1748.8 | 1748.1 | 1748.1 | 1748.8 | 1749.4 | 1750.8 | 1753.5 | 1754.9 | 1757.5 |
| 15° | 1722.6 | 1722.0 | 1722.6 | 1723.3 | 1724.6 | 1726.7 | 1728.6 | 1730.7 | 1734.7 | 1738.0 | 1741.4 |
| 17.5° | 1683.7 | 1684.3 | 1685.0 | 1686.4 | 1688.4 | 1691.1 | 1696.4 | 1701.8 | 1706.5 | 1711.9 | 1717.2 |
| 20° | 1630.0 | 1632.7 | 1633.4 | 1638.0 | 1639.4 | 1645.4 | 1651.5 | 1659.5 | 1666.9 | 1673.6 | 1681.0 |
| 22.5° | 1565.5 | 1567.6 | 1570.3 | 1575.6 | 1579.0 | 1587.0 | 1594.4 | 1603.8 | 1611.9 | 1620.7 | 1631.4 |
| 25° | 1492.4 | 1493.1 | 1501.2 | 1501.2 | 1509.2 | 1516.0 | 1524.6 | 1534.7 | 1546.8 | 1558.2 | 1565.5 |
| 27.5° | 1409.2 | 1412.6 | 1418.6 | 1421.3 | 1427.3 | 1438.1 | 1445.4 | 1457.6 | 1469.6 | 1479.7 | 1487.8 |
| 30° | 1322.0 | 1324.7 | 1334.8 | 1336.1 | 1340.8 | 1350.2 | 1360.3 | 1371.7 | 1381.0 | 1392.5 | 1399.9 |
| 32.5° | 1230.1 | 1237.5 | 1243.4 | 1248.2 | 1249.5 | 1263.6 | 1268.9 | 1277.1 | 1287.8 | 1299.2 | 1306.6 |
| 35° | 1140.8 | 1144.2 | 1152.8 | 1155.6 | 1159.6 | 1167.6 | 1178.3 | 1185.1 | 1190.5 | 1197.9 | 1206.5 |
| 37.5° | 1046.2 | 1056.3 | 1058.2 | 1066.3 | 1067.7 | 1075.0 | 1080.4 | 1088.5 | 1095.1 | 1101.9 | 1103.3 |
| 40° | 958.3 | 961.7 | 969.0 | 971.0 | 972.4 | 982.4 | 989.1 | 991.2 | 994.5 | 1000.5 | 1008.6 |
| 42.5° | 869.0 | 872.4 | 880.4 | 878.5 | 884.4 | 889.2 | 892.5 | 900.6 | 904.0 | 905.9 | 905.9 |
| 45° | 781.1 | 782.4 | 787.9 | 790.5 | 793.8 | 796.6 | 802.6 | 806.6 | 807.9 | 814.0 | 816.0 |
| 47.5° | 697.3 | 698.6 | 702.6 | 707.3 | 706.0 | 709.3 | 716.0 | 718.0 | 718.7 | 722.8 | 724.7 |
| 50° | 614.7 | 618.1 | 623.4 | 622.1 | 626.1 | 628.1 | 634.1 | 635.5 | 635.5 | 636.2 | 636.8 |
| 52.5° | 537.5 | 540.2 | 541.6 | 542.9 | 544.9 | 548.2 | 550.9 | 549.6 | 552.3 | 554.9 | 553.0 |
| 55° | 461.0 | 463.0 | 466.4 | 467.7 | 467.7 | 468.4 | 467.1 | 473.1 | 470.4 | 469.8 | 470.4 |
| 57.5° | 391.2 | 388.5 | 387.9 | 391.2 | 392.5 | 391.9 | 389.9 | 392.5 | 392.5 | 391.2 | 389.2 |
| 60° | 323.4 | 321.5 | 320.8 | 321.5 | 318.8 | 316.7 | 318.1 | 316.7 | 313.4 | 312.0 | 312.7 |
| 62.5° | 261.7 | 259.7 | 254.3 | 254.3 | 253.0 | 252.4 | 246.9 | 247.6 | 245.0 | 240.9 | 242.3 |
| 65° | 204.7 | 199.3 | 196.6 | 195.9 | 191.3 | 187.3 | 185.9 | 181.2 | 177.2 | 176.5 | 177.2 |
| 67.5° | 153.6 | 147.7 | 142.9 | 140.9 | 138.2 | 134.9 | 130.2 | 126.2 | 127.5 | 126.8 | 129.5 |
| 70° | 106.7 | 102.6 | 98.0 | 94.6 | 96.0 | 91.9 | 89.3 | 89.3 | 89.9 | 90.6 | 91.9 |
| 72.5° | 71.2 | 65.7 | 63.8 | 61.7 | 60.4 | 57.7 | 59.0 | 59.0 | 58.4 | 59.0 | 57.7 |
| 75° | 40.3 | 37.5 | 35.6 | 34.9 | 33.5 | 33.5 | 33.5 | 33.5 | 32.9 | 32.2 | 32.2 |
| 77.5° | 18.1 | 16.8 | 16.1 | 15.4 | 15.4 | 15.4 | 14.8 | 14.1 | 14.1 | 14.1 | 13.5 |
| 80° | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| 82.5° | 2.7 | 2.7 | 3.4 | 3.4 | 3.4 | 2.7 | 3.4 | 3.4 | 2.7 | 2.7 | 3.4 |
| 85° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 87.5° | 0.7 | 0.7 | 0.7 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.7 | 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: P858258

CATALOG NUMBER: LX4C45D010 EX4C459850 4LBLWW*

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 | 1787.1 |
| 2.5° | 1792.4 | 1793.1 | 1793.1 | 1793.1 | 1793.7 | 1793.7 | 1793.7 | 1793.7 |
| 5° | 1787.7 | 1788.4 | 1788.4 | 1788.4 | 1789.0 | 1789.0 | 1789.0 | 1789.0 |
| 7.5° | 1779.6 | 1780.4 | 1780.4 | 1781.0 | 1781.0 | 1781.7 | 1781.7 | 1782.3 |
| 10° | 1770.3 | 1771.6 | 1772.2 | 1773.0 | 1773.6 | 1774.3 | 1774.3 | 1774.9 |
| 12.5° | 1760.2 | 1761.5 | 1762.2 | 1763.5 | 1764.8 | 1765.6 | 1766.3 | 1766.9 |
| 15° | 1745.4 | 1748.1 | 1749.4 | 1750.1 | 1752.8 | 1754.1 | 1754.9 | 1755.5 |
| 17.5° | 1722.0 | 1727.3 | 1729.4 | 1730.7 | 1733.4 | 1736.0 | 1738.0 | 1738.7 |
| 20° | 1688.4 | 1694.4 | 1697.1 | 1700.5 | 1704.5 | 1707.9 | 1709.2 | 1710.5 |
| 22.5° | 1641.4 | 1648.1 | 1652.1 | 1656.1 | 1659.5 | 1662.9 | 1668.3 | 1666.2 |
| 25° | 1574.3 | 1585.7 | 1590.4 | 1592.4 | 1599.8 | 1603.8 | 1606.6 | 1603.8 |
| 27.5° | 1499.1 | 1505.9 | 1509.9 | 1514.6 | 1520.0 | 1524.0 | 1525.3 | 1529.3 |
| 30° | 1408.6 | 1419.9 | 1419.3 | 1424.0 | 1430.7 | 1434.7 | 1436.1 | 1439.4 |
| 32.5° | 1314.6 | 1320.0 | 1324.0 | 1323.3 | 1326.0 | 1333.4 | 1330.7 | 1336.7 |
| 35° | 1214.6 | 1215.3 | 1222.0 | 1221.3 | 1226.7 | 1226.7 | 1226.7 | 1230.7 |
| 37.5° | 1107.9 | 1116.0 | 1112.6 | 1120.7 | 1118.0 | 1120.0 | 1120.0 | 1121.4 |
| 40° | 1010.6 | 1013.3 | 1013.3 | 1016.0 | 1018.0 | 1016.0 | 1017.3 | 1020.7 |
| 42.5° | 909.9 | 912.6 | 913.3 | 912.0 | 913.9 | 920.0 | 915.3 | 919.4 |
| 45° | 816.0 | 818.0 | 820.7 | 818.7 | 822.0 | 820.0 | 822.0 | 820.7 |
| 47.5° | 727.4 | 726.8 | 726.1 | 731.5 | 726.8 | 727.4 | 730.2 | 725.4 |
| 50° | 636.8 | 640.9 | 638.2 | 640.2 | 641.5 | 641.5 | 639.6 | 639.6 |
| 52.5° | 556.3 | 555.6 | 553.6 | 555.6 | 554.3 | 554.9 | 556.3 | 554.9 |
| 55° | 473.1 | 475.7 | 474.4 | 473.8 | 474.4 | 474.4 | 478.5 | 473.1 |
| 57.5° | 391.2 | 389.9 | 391.9 | 396.6 | 391.9 | 395.2 | 397.3 | 397.9 |
| 60° | 313.4 | 313.4 | 317.4 | 315.4 | 319.4 | 322.8 | 325.5 | 324.1 |
| 62.5° | 238.9 | 242.3 | 243.6 | 244.2 | 248.3 | 250.9 | 250.9 | 250.3 |
| 65° | 177.2 | 181.8 | 181.8 | 184.5 | 185.9 | 185.9 | 187.3 | 189.9 |
| 67.5° | 130.8 | 130.8 | 131.5 | 132.9 | 132.2 | 132.2 | 133.6 | 134.2 |
| 70° | 91.2 | 89.9 | 91.9 | 91.2 | 91.2 | 90.6 | 91.2 | 91.2 |
| 72.5° | 57.7 | 57.7 | 58.4 | 57.7 | 56.4 | 57.1 | 57.1 | 58.4 |
| 75° | 30.9 | 32.2 | 30.9 | 30.9 | 31.6 | 30.2 | 30.9 | 31.6 |
| 77.5° | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.0 | 12.0 | 12.0 |
| 80° | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 5.4 | 5.4 |
| 82.5° | 2.7 | 3.4 | 2.7 | 3.4 | 2.7 | 2.7 | 2.7 | 2.7 |
| 85° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 87.5° | 0.0 | 0.7 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





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













(END OF REPORT)