

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: io LED

Report Number: P135972

Luminaire Tested: **LD6A30D010TE ERM6A30927 6LM121H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P135972
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23373)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A30D010TE ERM6A30927 6LM121H
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOUBLE WALL WASH LUMINAIRE
SEMI-SPECULAR CLEAR TRIM AND SPECULAR CLEAR KICKER
Light Source: (1) HIGH LUMEN LED 2700K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2408.5 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 1.06 / 1.01
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

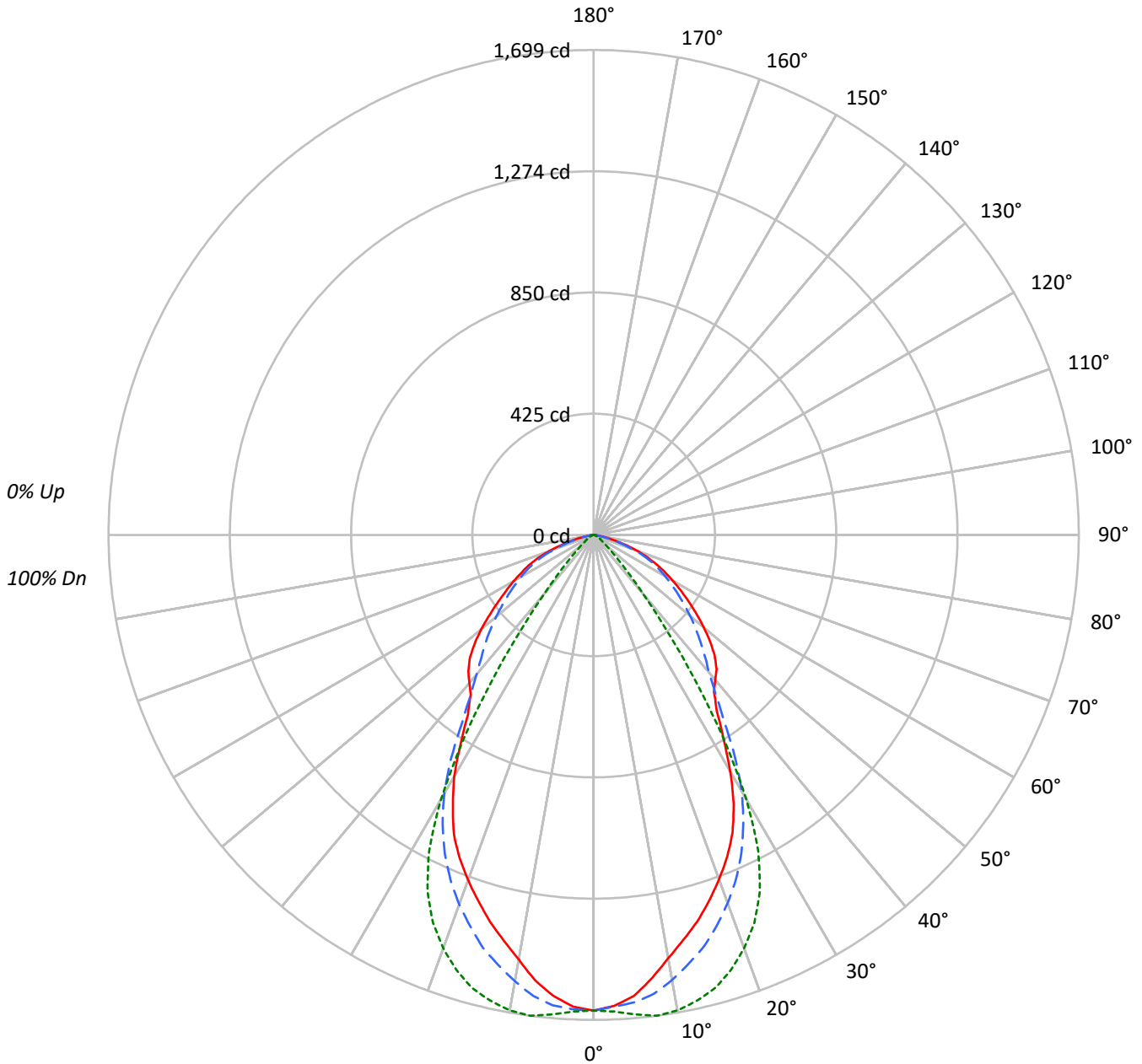
Input Watts (W): 45.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P135972

CATALOG NUMBER: LD6A30D010TE ERM6A30927 6LM121H

Luminous Intensity Polar Plot





TEST NUMBER: P135972

CATALOG NUMBER: LD6A30D010TE ERM6A30927 6LM121H

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 | 111 | 108 | 104 | 102 | 109 | 106 | 103 | 100 | 101 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 89 | | | | 89 |
| 2 | 104 | 97 | 92 | 87 | 101 | 95 | 90 | 86 | 92 | 88 | 84 | 89 | 85 | 82 | 86 | 83 | 81 | 79 | | | | 79 |
| 3 | 96 | 88 | 81 | 76 | 94 | 86 | 80 | 75 | 84 | 78 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 | | | | 70 |
| 4 | 90 | 80 | 73 | 67 | 88 | 79 | 72 | 67 | 76 | 71 | 66 | 74 | 69 | 65 | 72 | 68 | 64 | 62 | | | | 62 |
| 5 | 84 | 73 | 66 | 60 | 82 | 72 | 65 | 60 | 70 | 64 | 59 | 68 | 63 | 59 | 67 | 62 | 58 | 56 | | | | 56 |
| 6 | 78 | 67 | 60 | 54 | 77 | 66 | 59 | 54 | 65 | 58 | 54 | 63 | 57 | 53 | 62 | 57 | 53 | 51 | | | | 51 |
| 7 | 74 | 62 | 55 | 49 | 72 | 61 | 54 | 49 | 60 | 53 | 49 | 59 | 53 | 49 | 57 | 52 | 48 | 47 | | | | 47 |
| 8 | 69 | 58 | 50 | 45 | 68 | 57 | 50 | 45 | 56 | 49 | 45 | 55 | 49 | 45 | 53 | 48 | 44 | 43 | | | | 43 |
| 9 | 65 | 54 | 46 | 42 | 64 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 39 | | | | 39 |
| 10 | 62 | 50 | 43 | 38 | 61 | 50 | 43 | 38 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 36 | | | | 36 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 108717 | 108717 | 108717 |
| 5° | 106159 | 110449 | 106159 |
| 10° | 99722 | 112057 | 100053 |
| 15° | 94701 | 111019 | 94701 |
| 20° | 89131 | 106953 | 89298 |
| 25° | 82812 | 99116 | 83352 |
| 30° | 72064 | 80592 | 73571 |
| 35° | 59741 | 48718 | 61143 |
| 40° | 56380 | 22722 | 57666 |
| 45° | 55275 | 10684 | 56669 |
| 50° | 51093 | 5623 | 52118 |
| 55° | 46100 | 3719 | 46373 |
| 60° | 41702 | 2949 | 42041 |
| 65° | 37312 | 2331 | 38470 |
| 70° | 30730 | 1908 | 31703 |
| 75° | 20292 | 1260 | 20292 |
| 80° | 11346 | 977 | 11346 |
| 85° | 7486 | 0 | 5689 |



TEST NUMBER: P135972

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 155.4 | 6.5 |
| 10°-20° | 421.7 | 17.5 |
| 20°-30° | 563.6 | 23.4 |
| 30°-40° | 466.1 | 19.4 |
| 40°-50° | 334.4 | 13.9 |
| 50°-60° | 245.8 | 10.2 |
| 60°-70° | 158.7 | 6.6 |
| 70°-80° | 56.2 | 2.3 |
| 80°-90° | 6.5 | 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° | 1140.8 | 47.4 |
| 0°-40° | 1606.8 | 66.7 |
| 0°-60° | 2187.1 | 90.8 |
| 0°-90° | 2408.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2408.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1666 | 1666 | 1666 | 1666 | 1666 | |
| 5° | 1621 | 1644 | 1686 | 1654 | 1621 | 151 |
| 15° | 1402 | 1493 | 1644 | 1498 | 1402 | 393 |
| 25° | 1150 | 1226 | 1377 | 1234 | 1158 | 523 |
| 35° | 750 | 795 | 612 | 803 | 768 | 483 |
| 45° | 599 | 529 | 116 | 536 | 614 | 458 |
| 55° | 405 | 360 | 33 | 365 | 408 | 364 |
| 65° | 242 | 224 | 15 | 226 | 249 | 238 |
| 75° | 80 | 66 | 5 | 66 | 80 | 91 |
| 85° | 10 | 5 | 0 | 5 | 8 | 12 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P135972

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 |
| 2.5° | 1651.3 | 1638.7 | 1648.8 | 1638.7 | 1641.2 | 1651.3 | 1653.8 | 1658.8 | 1661.3 | 1653.8 | 1653.8 |
| 5° | 1621.0 | 1608.4 | 1621.0 | 1611.0 | 1616.0 | 1628.6 | 1631.2 | 1641.2 | 1646.2 | 1643.7 | 1648.8 |
| 7.5° | 1565.7 | 1555.7 | 1568.2 | 1560.7 | 1568.2 | 1585.8 | 1593.4 | 1606.0 | 1616.0 | 1621.0 | 1628.6 |
| 10° | 1505.3 | 1495.2 | 1507.8 | 1500.2 | 1512.8 | 1532.9 | 1540.5 | 1555.7 | 1570.7 | 1583.3 | 1595.9 |
| 12.5° | 1452.4 | 1442.4 | 1449.9 | 1447.4 | 1460.0 | 1477.6 | 1490.2 | 1507.8 | 1525.4 | 1538.0 | 1555.7 |
| 15° | 1402.1 | 1392.0 | 1402.1 | 1397.1 | 1407.1 | 1427.2 | 1439.8 | 1457.4 | 1477.6 | 1492.7 | 1512.8 |
| 17.5° | 1344.2 | 1334.1 | 1341.7 | 1339.1 | 1349.2 | 1366.9 | 1379.5 | 1397.1 | 1417.2 | 1434.8 | 1455.0 |
| 20° | 1283.8 | 1273.7 | 1281.2 | 1276.2 | 1286.2 | 1306.4 | 1316.5 | 1336.6 | 1354.3 | 1371.9 | 1389.5 |
| 22.5° | 1220.9 | 1210.7 | 1220.9 | 1213.3 | 1228.4 | 1240.9 | 1251.0 | 1271.2 | 1286.2 | 1303.9 | 1319.0 |
| 25° | 1150.4 | 1140.2 | 1147.8 | 1142.8 | 1152.8 | 1168.0 | 1175.5 | 1195.7 | 1208.3 | 1225.9 | 1240.9 |
| 27.5° | 1062.3 | 1049.7 | 1064.7 | 1054.7 | 1067.3 | 1079.9 | 1087.4 | 1105.0 | 1120.2 | 1135.2 | 1147.8 |
| 30° | 956.6 | 946.4 | 961.6 | 954.0 | 969.1 | 979.2 | 989.2 | 1006.9 | 1019.5 | 1037.1 | 1039.6 |
| 32.5° | 845.8 | 840.8 | 853.3 | 848.3 | 863.4 | 873.5 | 881.0 | 898.7 | 908.7 | 918.8 | 911.2 |
| 35° | 750.1 | 745.1 | 757.7 | 755.1 | 767.7 | 775.3 | 782.8 | 792.9 | 792.9 | 795.4 | 775.3 |
| 37.5° | 692.2 | 689.7 | 699.8 | 697.3 | 707.3 | 714.9 | 714.9 | 717.4 | 712.3 | 699.8 | 669.6 |
| 40° | 662.0 | 659.5 | 667.0 | 664.6 | 672.1 | 674.6 | 672.1 | 667.0 | 652.0 | 626.8 | 586.5 |
| 42.5° | 636.8 | 631.8 | 636.8 | 634.4 | 639.4 | 641.8 | 634.4 | 626.8 | 606.6 | 576.5 | 528.6 |
| 45° | 599.1 | 594.1 | 601.6 | 596.6 | 601.6 | 601.6 | 594.1 | 584.0 | 561.3 | 528.6 | 478.2 |
| 47.5° | 553.7 | 548.7 | 556.3 | 551.3 | 556.3 | 556.3 | 548.7 | 538.7 | 516.0 | 483.3 | 432.9 |
| 50° | 503.4 | 498.4 | 503.4 | 501.0 | 506.0 | 508.4 | 498.4 | 490.8 | 470.7 | 440.5 | 390.1 |
| 52.5° | 453.1 | 448.1 | 453.1 | 453.1 | 455.6 | 455.6 | 448.1 | 443.0 | 425.4 | 397.7 | 352.4 |
| 55° | 405.3 | 400.3 | 407.7 | 405.3 | 407.7 | 407.7 | 400.3 | 395.2 | 382.6 | 360.0 | 317.2 |
| 57.5° | 360.0 | 357.4 | 362.5 | 360.0 | 360.0 | 360.0 | 354.9 | 352.4 | 342.4 | 322.2 | 287.0 |
| 60° | 319.6 | 314.6 | 317.2 | 317.2 | 317.2 | 319.6 | 314.6 | 312.2 | 304.6 | 289.5 | 256.7 |
| 62.5° | 279.4 | 276.9 | 279.4 | 276.9 | 276.9 | 279.4 | 276.9 | 274.4 | 269.3 | 256.7 | 229.1 |
| 65° | 241.7 | 236.6 | 241.7 | 239.1 | 239.1 | 239.1 | 236.6 | 236.6 | 231.5 | 224.1 | 198.9 |
| 67.5° | 201.4 | 198.9 | 201.4 | 198.9 | 196.3 | 196.3 | 193.8 | 193.8 | 191.3 | 186.3 | 163.6 |
| 70° | 161.1 | 156.0 | 158.6 | 153.6 | 156.0 | 151.0 | 151.0 | 148.5 | 146.0 | 143.5 | 125.9 |
| 72.5° | 118.3 | 115.8 | 115.8 | 110.7 | 110.7 | 108.3 | 105.7 | 105.7 | 103.2 | 103.2 | 90.7 |
| 75° | 80.5 | 80.5 | 78.1 | 73.0 | 75.5 | 70.5 | 70.5 | 70.5 | 67.9 | 65.5 | 57.9 |
| 77.5° | 52.9 | 50.3 | 50.3 | 47.8 | 47.8 | 42.8 | 45.3 | 42.8 | 42.8 | 40.3 | 35.2 |
| 80° | 30.2 | 30.2 | 30.2 | 27.7 | 27.7 | 25.2 | 25.2 | 25.2 | 22.6 | 22.6 | 20.2 |
| 82.5° | 17.6 | 17.6 | 17.6 | 15.1 | 15.1 | 15.1 | 15.1 | 12.6 | 12.6 | 12.6 | 10.0 |
| 85° | 10.0 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 5.0 | 5.0 | 5.0 | 5.0 |
| 87.5° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 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):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 |
| 2.5° | 1663.9 | 1661.3 | 1658.8 | 1668.9 | 1671.4 | 1663.9 | 1663.9 | 1671.4 | 1676.5 | 1663.9 | 1661.3 |
| 5° | 1661.3 | 1663.9 | 1663.9 | 1676.5 | 1684.0 | 1678.9 | 1678.9 | 1686.5 | 1691.5 | 1676.5 | 1671.4 |
| 7.5° | 1648.8 | 1656.3 | 1661.3 | 1678.9 | 1691.5 | 1689.0 | 1691.5 | 1699.1 | 1701.6 | 1686.5 | 1678.9 |
| 10° | 1621.0 | 1631.2 | 1641.2 | 1663.9 | 1678.9 | 1681.5 | 1684.0 | 1691.5 | 1696.5 | 1676.5 | 1666.4 |
| 12.5° | 1583.3 | 1598.4 | 1613.5 | 1638.7 | 1656.3 | 1658.8 | 1666.4 | 1671.4 | 1673.9 | 1656.3 | 1643.7 |
| 15° | 1540.5 | 1560.7 | 1575.7 | 1603.4 | 1623.6 | 1628.6 | 1636.2 | 1643.7 | 1643.7 | 1623.6 | 1611.0 |
| 17.5° | 1487.6 | 1505.3 | 1525.4 | 1553.1 | 1575.7 | 1580.8 | 1590.9 | 1598.4 | 1598.4 | 1578.3 | 1560.7 |
| 20° | 1422.2 | 1442.4 | 1460.0 | 1490.2 | 1515.3 | 1522.9 | 1532.9 | 1540.5 | 1540.5 | 1522.9 | 1500.2 |
| 22.5° | 1354.3 | 1374.3 | 1392.0 | 1419.7 | 1444.8 | 1452.4 | 1460.0 | 1470.0 | 1467.6 | 1452.4 | 1432.3 |
| 25° | 1273.7 | 1291.3 | 1303.9 | 1331.6 | 1351.7 | 1359.3 | 1369.3 | 1376.9 | 1374.3 | 1359.3 | 1341.7 |
| 27.5° | 1175.5 | 1188.1 | 1190.6 | 1208.3 | 1225.9 | 1233.5 | 1240.9 | 1248.5 | 1246.0 | 1233.5 | 1218.3 |
| 30° | 1062.3 | 1059.7 | 1047.1 | 1047.1 | 1054.7 | 1059.7 | 1064.7 | 1069.8 | 1067.3 | 1059.7 | 1049.7 |
| 32.5° | 918.8 | 901.1 | 868.4 | 850.8 | 843.2 | 843.2 | 843.2 | 848.3 | 845.8 | 843.2 | 843.2 |
| 35° | 765.2 | 727.5 | 677.1 | 639.4 | 619.2 | 611.7 | 606.6 | 611.7 | 609.2 | 611.7 | 621.8 |
| 37.5° | 639.4 | 584.0 | 516.0 | 465.7 | 432.9 | 417.9 | 407.7 | 410.3 | 410.3 | 417.9 | 435.5 |
| 40° | 546.2 | 475.8 | 400.3 | 337.3 | 299.6 | 279.4 | 266.8 | 266.8 | 269.3 | 279.4 | 302.0 |
| 42.5° | 475.8 | 397.7 | 314.6 | 254.3 | 208.9 | 188.8 | 176.2 | 173.7 | 176.2 | 188.8 | 211.5 |
| 45° | 420.3 | 337.3 | 254.3 | 188.8 | 151.0 | 128.4 | 118.3 | 115.8 | 118.3 | 130.9 | 151.0 |
| 47.5° | 372.5 | 289.5 | 211.5 | 146.0 | 108.3 | 90.7 | 80.5 | 78.1 | 83.1 | 93.1 | 110.7 |
| 50° | 332.2 | 251.7 | 173.7 | 115.8 | 83.1 | 65.5 | 57.9 | 55.4 | 57.9 | 67.9 | 83.1 |
| 52.5° | 294.5 | 219.0 | 146.0 | 90.7 | 62.9 | 50.3 | 42.8 | 40.3 | 42.8 | 50.3 | 65.5 |
| 55° | 264.3 | 193.8 | 125.9 | 75.5 | 50.3 | 40.3 | 35.2 | 32.7 | 35.2 | 40.3 | 52.9 |
| 57.5° | 236.6 | 171.2 | 108.3 | 62.9 | 42.8 | 32.7 | 27.7 | 27.7 | 27.7 | 32.7 | 42.8 |
| 60° | 211.5 | 151.0 | 93.1 | 52.9 | 35.2 | 27.7 | 22.6 | 22.6 | 22.6 | 27.7 | 35.2 |
| 62.5° | 188.8 | 133.4 | 80.5 | 45.3 | 30.2 | 22.6 | 20.2 | 20.2 | 20.2 | 22.6 | 30.2 |
| 65° | 161.1 | 113.3 | 67.9 | 37.8 | 25.2 | 20.2 | 17.6 | 15.1 | 17.6 | 20.2 | 25.2 |
| 67.5° | 133.4 | 93.1 | 55.4 | 30.2 | 20.2 | 15.1 | 12.6 | 12.6 | 12.6 | 15.1 | 20.2 |
| 70° | 103.2 | 73.0 | 42.8 | 22.6 | 15.1 | 12.6 | 10.0 | 10.0 | 10.0 | 12.6 | 15.1 |
| 72.5° | 70.5 | 50.3 | 30.2 | 17.6 | 12.6 | 10.0 | 7.6 | 7.6 | 7.6 | 10.0 | 12.6 |
| 75° | 45.3 | 32.7 | 20.2 | 12.6 | 7.6 | 7.6 | 5.0 | 5.0 | 5.0 | 7.6 | 7.6 |
| 77.5° | 27.7 | 20.2 | 12.6 | 7.6 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 80° | 15.1 | 12.6 | 7.6 | 5.0 | 5.0 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 82.5° | 7.6 | 7.6 | 5.0 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 85° | 2.6 | 2.6 | 2.6 | 2.6 | 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 | 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):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 | 1666.4 |
| 2.5° | 1661.3 | 1666.4 | 1668.9 | 1658.8 | 1661.3 | 1663.9 | 1648.8 | 1651.3 | 1643.7 | 1658.8 | 1651.3 |
| 5° | 1668.9 | 1671.4 | 1673.9 | 1658.8 | 1656.3 | 1653.8 | 1636.2 | 1633.6 | 1623.6 | 1636.2 | 1628.6 |
| 7.5° | 1671.4 | 1666.4 | 1666.4 | 1643.7 | 1636.2 | 1628.6 | 1606.0 | 1598.4 | 1585.8 | 1590.9 | 1580.8 |
| 10° | 1658.8 | 1648.8 | 1641.2 | 1613.5 | 1600.9 | 1588.3 | 1560.7 | 1550.5 | 1532.9 | 1535.5 | 1522.9 |
| 12.5° | 1631.2 | 1618.6 | 1606.0 | 1575.7 | 1560.7 | 1543.1 | 1515.3 | 1500.2 | 1482.6 | 1482.6 | 1467.6 |
| 15° | 1595.9 | 1580.8 | 1565.7 | 1535.5 | 1515.3 | 1497.7 | 1465.0 | 1449.9 | 1432.3 | 1429.8 | 1417.2 |
| 17.5° | 1545.5 | 1527.9 | 1512.8 | 1477.6 | 1457.4 | 1437.3 | 1407.1 | 1389.5 | 1371.9 | 1371.9 | 1356.7 |
| 20° | 1485.2 | 1465.0 | 1447.4 | 1414.7 | 1394.5 | 1376.9 | 1341.7 | 1326.6 | 1311.4 | 1309.0 | 1296.4 |
| 22.5° | 1414.7 | 1394.5 | 1379.5 | 1349.2 | 1326.6 | 1309.0 | 1278.7 | 1266.1 | 1251.0 | 1248.5 | 1233.5 |
| 25° | 1326.6 | 1309.0 | 1293.8 | 1268.6 | 1248.5 | 1233.5 | 1205.7 | 1190.6 | 1180.6 | 1180.6 | 1168.0 |
| 27.5° | 1208.3 | 1193.1 | 1190.6 | 1170.5 | 1155.4 | 1145.4 | 1122.6 | 1112.6 | 1100.0 | 1100.0 | 1084.9 |
| 30° | 1049.7 | 1052.1 | 1062.3 | 1057.3 | 1052.1 | 1047.1 | 1027.0 | 1024.5 | 1009.4 | 1006.9 | 989.2 |
| 32.5° | 855.8 | 873.5 | 901.1 | 916.3 | 923.8 | 928.8 | 923.8 | 918.8 | 906.2 | 903.7 | 883.5 |
| 35° | 649.4 | 684.7 | 729.9 | 760.2 | 785.4 | 803.0 | 810.6 | 810.6 | 805.5 | 803.0 | 785.4 |
| 37.5° | 470.7 | 523.6 | 584.0 | 634.4 | 674.6 | 707.3 | 722.5 | 732.5 | 732.5 | 732.5 | 724.9 |
| 40° | 344.8 | 407.7 | 478.2 | 543.7 | 594.1 | 636.8 | 659.5 | 677.1 | 682.2 | 689.7 | 684.7 |
| 42.5° | 256.7 | 324.8 | 400.3 | 475.8 | 533.6 | 581.5 | 611.7 | 631.8 | 644.4 | 652.0 | 652.0 |
| 45° | 196.3 | 264.3 | 342.4 | 422.9 | 483.3 | 536.1 | 566.3 | 589.0 | 601.6 | 611.7 | 611.7 |
| 47.5° | 151.0 | 216.5 | 294.5 | 375.1 | 438.0 | 490.8 | 521.0 | 541.2 | 553.7 | 563.9 | 563.9 |
| 50° | 118.3 | 178.7 | 254.3 | 332.2 | 395.2 | 445.5 | 473.2 | 493.4 | 503.4 | 511.0 | 513.5 |
| 52.5° | 95.7 | 151.0 | 224.1 | 299.6 | 357.4 | 402.7 | 425.4 | 443.0 | 453.1 | 458.1 | 460.6 |
| 55° | 78.1 | 130.9 | 198.9 | 266.8 | 322.2 | 365.0 | 385.1 | 397.7 | 405.3 | 410.3 | 410.3 |
| 57.5° | 65.5 | 113.3 | 176.2 | 241.7 | 294.5 | 327.2 | 344.8 | 354.9 | 360.0 | 365.0 | 365.0 |
| 60° | 55.4 | 98.1 | 156.0 | 216.5 | 264.3 | 294.5 | 307.1 | 314.6 | 319.6 | 322.2 | 322.2 |
| 62.5° | 47.8 | 83.1 | 135.9 | 191.3 | 234.1 | 261.8 | 271.9 | 276.9 | 279.4 | 279.4 | 281.9 |
| 65° | 40.3 | 70.5 | 115.8 | 166.2 | 201.4 | 226.5 | 234.1 | 236.6 | 236.6 | 239.1 | 241.7 |
| 67.5° | 30.2 | 55.4 | 93.1 | 135.9 | 166.2 | 186.3 | 193.8 | 193.8 | 193.8 | 193.8 | 196.3 |
| 70° | 25.2 | 42.8 | 70.5 | 103.2 | 128.4 | 143.5 | 148.5 | 148.5 | 148.5 | 148.5 | 151.0 |
| 72.5° | 17.6 | 30.2 | 50.3 | 73.0 | 93.1 | 103.2 | 103.2 | 105.7 | 103.2 | 103.2 | 108.3 |
| 75° | 12.6 | 20.2 | 32.7 | 47.8 | 57.9 | 65.5 | 67.9 | 67.9 | 67.9 | 67.9 | 70.5 |
| 77.5° | 7.6 | 12.6 | 20.2 | 27.7 | 37.8 | 40.3 | 42.8 | 42.8 | 42.8 | 42.8 | 45.3 |
| 80° | 5.0 | 7.6 | 12.6 | 17.6 | 20.2 | 22.6 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| 82.5° | 2.6 | 5.0 | 7.6 | 7.6 | 10.0 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 15.1 |
| 85° | 0.0 | 2.6 | 2.6 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.6 |
| 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: P135972

CATALOG NUMBER: LD6A30D010TE ERM6A30927 6LM121H

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1666.4 | 1666.4 | 1666.4 | 1666.4 |
| 2.5° | 1636.2 | 1653.8 | 1641.2 | 1653.8 |
| 5° | 1611.0 | 1626.1 | 1611.0 | 1621.0 |
| 7.5° | 1560.7 | 1573.3 | 1558.1 | 1573.3 |
| 10° | 1500.2 | 1512.8 | 1497.7 | 1510.3 |
| 12.5° | 1444.8 | 1455.0 | 1439.8 | 1455.0 |
| 15° | 1394.5 | 1404.6 | 1389.5 | 1402.1 |
| 17.5° | 1336.6 | 1344.2 | 1331.6 | 1344.2 |
| 20° | 1276.2 | 1283.8 | 1273.7 | 1286.2 |
| 22.5° | 1215.8 | 1225.9 | 1213.3 | 1225.9 |
| 25° | 1147.8 | 1155.4 | 1142.8 | 1157.9 |
| 27.5° | 1067.3 | 1072.3 | 1059.7 | 1067.3 |
| 30° | 969.1 | 971.6 | 961.6 | 976.6 |
| 32.5° | 865.9 | 865.9 | 850.8 | 865.9 |
| 35° | 770.3 | 767.7 | 757.7 | 767.7 |
| 37.5° | 709.9 | 709.9 | 702.3 | 707.3 |
| 40° | 674.6 | 677.1 | 667.0 | 677.1 |
| 42.5° | 644.4 | 649.4 | 641.8 | 649.4 |
| 45° | 606.6 | 611.7 | 604.1 | 614.2 |
| 47.5° | 558.8 | 563.9 | 558.8 | 566.3 |
| 50° | 506.0 | 511.0 | 506.0 | 513.5 |
| 52.5° | 453.1 | 458.1 | 453.1 | 458.1 |
| 55° | 405.3 | 407.7 | 402.7 | 407.7 |
| 57.5° | 360.0 | 362.5 | 357.4 | 362.5 |
| 60° | 317.2 | 322.2 | 317.2 | 322.2 |
| 62.5° | 279.4 | 281.9 | 281.9 | 284.4 |
| 65° | 239.1 | 249.2 | 246.7 | 249.2 |
| 67.5° | 198.9 | 206.4 | 206.4 | 208.9 |
| 70° | 153.6 | 158.6 | 163.6 | 166.2 |
| 72.5° | 108.3 | 115.8 | 118.3 | 120.8 |
| 75° | 70.5 | 78.1 | 78.1 | 80.5 |
| 77.5° | 45.3 | 50.3 | 50.3 | 50.3 |
| 80° | 27.7 | 30.2 | 27.7 | 30.2 |
| 82.5° | 15.1 | 15.1 | 15.1 | 17.6 |
| 85° | 7.6 | 7.6 | 7.6 | 7.6 |
| 87.5° | 2.6 | 2.6 | 2.6 | 2.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By E9808895 / USPTCWHP6082093





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













(END OF REPORT)