

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: P135854

Luminaire Tested: **LD6A30D010TE ERM6A30935 6LM121LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P135854
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23357-R2)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A30D010TE ERM6A30935 6LM121LI
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOUBLE WALL WASH LUMINAIRE
SPECULAR CLEAR TRIM AND SPECULAR CLEAR KICKER
Light Source: (1) HIGH LUMEN LED 3500K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2681.5 lumens
Efficiency: N/A
Efficacy: 59.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.02 / 0.97
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

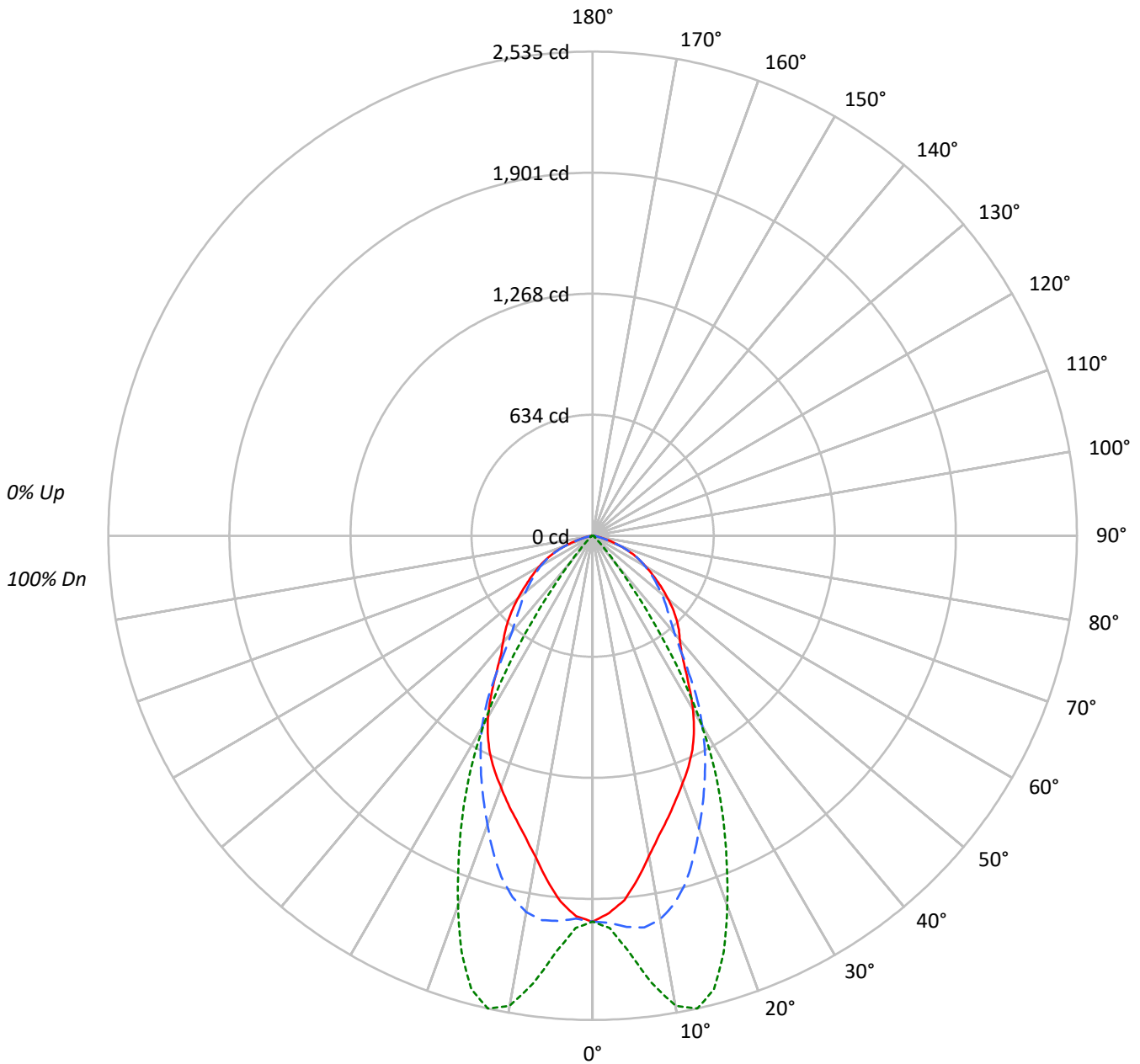
Input Watts (W): 45.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P135854

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Luminous Intensity Polar Plot





TEST NUMBER: P135854

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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 |
| 1 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 97 | 98 | 96 | 95 | 95 | 93 | 92 | 90 | | | 90 |
| 2 | 104 | 98 | 93 | 89 | 102 | 96 | 91 | 87 | 93 | 89 | 86 | 90 | 87 | 84 | 87 | 84 | 82 | 80 | | | 80 |
| 3 | 97 | 89 | 83 | 78 | 95 | 88 | 82 | 77 | 85 | 80 | 76 | 82 | 78 | 75 | 80 | 76 | 73 | 72 | | | 72 |
| 4 | 91 | 81 | 74 | 69 | 89 | 80 | 74 | 69 | 78 | 72 | 68 | 76 | 71 | 67 | 74 | 70 | 66 | 64 | | | 64 |
| 5 | 85 | 75 | 68 | 62 | 83 | 74 | 67 | 62 | 72 | 66 | 61 | 70 | 65 | 61 | 68 | 64 | 60 | 58 | | | 58 |
| 6 | 80 | 69 | 62 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 56 | 65 | 59 | 55 | 63 | 59 | 55 | 53 | | | 53 |
| 7 | 75 | 64 | 57 | 52 | 74 | 63 | 56 | 51 | 62 | 56 | 51 | 60 | 55 | 51 | 59 | 54 | 50 | 49 | | | 49 |
| 8 | 71 | 59 | 52 | 47 | 69 | 59 | 52 | 47 | 58 | 51 | 47 | 57 | 51 | 47 | 55 | 50 | 47 | 45 | | | 45 |
| 9 | 67 | 56 | 49 | 44 | 66 | 55 | 48 | 44 | 54 | 48 | 44 | 53 | 47 | 43 | 52 | 47 | 43 | 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° | 131832 | 131832 | 131832 |
| 5° | 125354 | 143161 | 125957 |
| 10° | 112686 | 165498 | 113296 |
| 15° | 103103 | 165890 | 104096 |
| 20° | 95650 | 143097 | 97310 |
| 25° | 88995 | 115968 | 91241 |
| 30° | 79160 | 85797 | 82618 |
| 35° | 66861 | 45349 | 70079 |
| 40° | 60382 | 15177 | 62111 |
| 45° | 57287 | 5259 | 57462 |
| 50° | 52392 | 2233 | 51824 |
| 55° | 46805 | 1672 | 46385 |
| 60° | 41702 | 1683 | 42185 |
| 65° | 36864 | 1698 | 37157 |
| 70° | 28384 | 1392 | 28040 |
| 75° | 17595 | 933 | 16662 |
| 80° | 8979 | 676 | 8266 |
| 85° | 4117 | 0 | 4117 |



TEST NUMBER: P135854

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 196.1 | 7.3 |
| 10°-20° | 535.2 | 20.0 |
| 20°-30° | 644.1 | 24.0 |
| 30°-40° | 500.6 | 18.7 |
| 40°-50° | 335.0 | 12.5 |
| 50°-60° | 252.1 | 9.4 |
| 60°-70° | 161.8 | 6.0 |
| 70°-80° | 51.8 | 1.9 |
| 80°-90° | 4.9 | 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° | 1375.4 | 51.3 |
| 0°-40° | 1875.9 | 70.0 |
| 0°-60° | 2463.0 | 91.9 |
| 0°-90° | 2681.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2681.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2021 | 2021 | 2021 | 2021 | 2021 | |
| 5° | 1914 | 2056 | 2186 | 2024 | 1923 | 176 |
| 15° | 1526 | 1881 | 2456 | 1848 | 1541 | 429 |
| 25° | 1236 | 1389 | 1611 | 1381 | 1268 | 564 |
| 35° | 840 | 878 | 569 | 878 | 880 | 533 |
| 45° | 621 | 555 | 57 | 542 | 623 | 477 |
| 55° | 412 | 389 | 15 | 380 | 408 | 370 |
| 65° | 239 | 241 | 11 | 235 | 241 | 234 |
| 75° | 70 | 66 | 4 | 62 | 66 | 80 |
| 85° | 6 | 6 | 0 | 6 | 6 | 8 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 |
| 2.5° | 1976.6 | 1993.1 | 1987.6 | 2013.3 | 1994.9 | 1993.1 | 2006.0 | 2013.3 | 2015.2 | 2028.0 | 2028.0 |
| 5° | 1914.1 | 1932.5 | 1927.0 | 1960.0 | 1952.7 | 1960.0 | 1987.6 | 2007.8 | 2026.1 | 2055.5 | 2074.0 |
| 7.5° | 1811.2 | 1833.3 | 1837.0 | 1870.0 | 1873.7 | 1893.9 | 1938.0 | 1978.4 | 2017.0 | 2068.4 | 2112.5 |
| 10° | 1701.0 | 1723.1 | 1728.6 | 1765.3 | 1776.3 | 1803.9 | 1860.9 | 1912.3 | 1967.4 | 2039.0 | 2105.2 |
| 12.5° | 1605.5 | 1627.5 | 1634.9 | 1671.6 | 1684.5 | 1715.7 | 1776.3 | 1833.3 | 1895.8 | 1974.7 | 2053.7 |
| 15° | 1526.5 | 1546.7 | 1554.1 | 1587.2 | 1600.0 | 1629.3 | 1686.3 | 1741.5 | 1802.1 | 1881.1 | 1958.2 |
| 17.5° | 1449.4 | 1469.6 | 1475.0 | 1504.4 | 1513.7 | 1539.4 | 1590.8 | 1638.6 | 1690.0 | 1759.8 | 1829.7 |
| 20° | 1377.7 | 1396.1 | 1399.7 | 1425.5 | 1431.0 | 1451.2 | 1493.5 | 1532.0 | 1574.3 | 1629.3 | 1686.3 |
| 22.5° | 1309.8 | 1328.1 | 1330.0 | 1352.0 | 1353.8 | 1370.4 | 1405.3 | 1434.7 | 1464.1 | 1508.2 | 1548.5 |
| 25° | 1236.3 | 1254.6 | 1256.5 | 1274.8 | 1276.6 | 1287.7 | 1315.3 | 1337.3 | 1357.5 | 1388.8 | 1416.3 |
| 27.5° | 1148.1 | 1166.4 | 1172.0 | 1184.8 | 1186.7 | 1194.0 | 1217.9 | 1232.6 | 1252.8 | 1273.0 | 1284.0 |
| 30° | 1050.8 | 1067.3 | 1074.6 | 1085.6 | 1087.5 | 1098.5 | 1120.5 | 1131.6 | 1144.4 | 1148.1 | 1151.7 |
| 32.5° | 942.4 | 960.7 | 968.1 | 977.3 | 982.8 | 993.8 | 1014.0 | 1019.5 | 1023.2 | 1021.4 | 1001.1 |
| 35° | 839.5 | 856.0 | 863.3 | 874.4 | 878.0 | 885.4 | 902.0 | 900.1 | 894.6 | 878.0 | 841.3 |
| 37.5° | 762.4 | 775.2 | 782.5 | 789.9 | 791.8 | 795.4 | 804.6 | 797.2 | 782.5 | 755.0 | 707.2 |
| 40° | 709.0 | 721.9 | 723.7 | 731.1 | 729.3 | 729.3 | 731.1 | 718.3 | 699.9 | 666.9 | 611.7 |
| 42.5° | 668.7 | 679.6 | 679.6 | 687.0 | 681.6 | 677.8 | 677.8 | 663.1 | 639.3 | 604.3 | 549.3 |
| 45° | 620.9 | 630.1 | 631.9 | 635.6 | 630.1 | 626.4 | 626.4 | 611.7 | 589.7 | 554.7 | 499.7 |
| 47.5° | 571.3 | 580.5 | 580.5 | 586.0 | 580.5 | 576.8 | 576.8 | 564.0 | 543.8 | 512.5 | 461.1 |
| 50° | 516.2 | 525.3 | 527.2 | 530.9 | 527.2 | 525.3 | 527.2 | 514.4 | 497.9 | 470.3 | 424.4 |
| 52.5° | 462.9 | 472.1 | 472.1 | 475.8 | 472.1 | 472.1 | 473.9 | 464.7 | 450.0 | 428.0 | 387.6 |
| 55° | 411.5 | 418.8 | 422.5 | 426.2 | 420.6 | 420.6 | 422.5 | 417.0 | 406.0 | 389.4 | 354.5 |
| 57.5° | 363.7 | 371.0 | 372.9 | 376.6 | 372.9 | 374.7 | 376.6 | 371.0 | 365.6 | 352.7 | 325.1 |
| 60° | 319.6 | 326.9 | 328.8 | 330.7 | 328.8 | 328.8 | 330.7 | 328.8 | 325.1 | 316.0 | 292.1 |
| 62.5° | 279.2 | 284.8 | 286.6 | 290.2 | 286.6 | 284.8 | 288.4 | 286.6 | 284.8 | 279.2 | 262.7 |
| 65° | 238.8 | 242.5 | 244.3 | 246.1 | 242.5 | 238.8 | 242.5 | 242.5 | 244.3 | 240.7 | 227.8 |
| 67.5° | 194.7 | 198.4 | 198.4 | 198.4 | 192.9 | 191.0 | 194.7 | 194.7 | 198.4 | 196.6 | 187.3 |
| 70° | 148.8 | 150.6 | 150.6 | 150.6 | 143.2 | 143.2 | 145.1 | 145.1 | 148.8 | 148.8 | 143.2 |
| 72.5° | 106.5 | 104.7 | 104.7 | 102.9 | 101.1 | 97.3 | 97.3 | 99.2 | 102.9 | 102.9 | 99.2 |
| 75° | 69.8 | 67.9 | 66.1 | 66.1 | 64.3 | 60.6 | 60.6 | 62.4 | 64.3 | 66.1 | 64.3 |
| 77.5° | 42.3 | 40.4 | 40.4 | 38.6 | 38.6 | 36.7 | 36.7 | 36.7 | 38.6 | 38.6 | 38.6 |
| 80° | 23.9 | 22.0 | 22.0 | 22.0 | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 | 22.0 | 20.2 |
| 82.5° | 12.9 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 9.2 | 11.0 | 11.0 | 11.0 | 11.0 |
| 85° | 5.5 | 5.5 | 5.5 | 5.5 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 5.5 | 5.5 |
| 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):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 |
| 2.5° | 2022.5 | 2040.8 | 2028.0 | 2068.4 | 2040.8 | 2055.5 | 2075.8 | 2055.5 | 2061.1 | 2074.0 | 2048.2 |
| 5° | 2084.9 | 2118.0 | 2121.7 | 2176.8 | 2154.8 | 2180.4 | 2208.0 | 2186.0 | 2189.6 | 2198.9 | 2165.8 |
| 7.5° | 2149.2 | 2208.0 | 2235.6 | 2312.7 | 2307.2 | 2349.5 | 2382.6 | 2360.5 | 2360.5 | 2362.3 | 2312.7 |
| 10° | 2167.6 | 2253.9 | 2305.4 | 2400.9 | 2415.6 | 2476.2 | 2512.9 | 2498.2 | 2494.6 | 2489.1 | 2421.1 |
| 12.5° | 2127.2 | 2233.7 | 2299.8 | 2406.4 | 2435.8 | 2507.5 | 2540.5 | 2535.0 | 2529.5 | 2518.5 | 2439.4 |
| 15° | 2033.5 | 2143.7 | 2213.6 | 2318.3 | 2355.0 | 2428.5 | 2456.1 | 2456.1 | 2450.5 | 2439.4 | 2355.0 |
| 17.5° | 1895.8 | 1998.6 | 2062.9 | 2154.8 | 2191.5 | 2259.5 | 2277.8 | 2283.3 | 2277.8 | 2266.8 | 2189.6 |
| 20° | 1739.6 | 1825.9 | 1877.4 | 1952.7 | 1982.1 | 2040.8 | 2051.9 | 2061.1 | 2057.4 | 2048.2 | 1980.2 |
| 22.5° | 1587.2 | 1655.1 | 1693.7 | 1759.8 | 1770.9 | 1820.4 | 1824.1 | 1831.5 | 1829.7 | 1825.9 | 1770.9 |
| 25° | 1447.6 | 1493.5 | 1515.5 | 1565.1 | 1568.8 | 1605.5 | 1603.7 | 1611.0 | 1609.2 | 1609.2 | 1566.9 |
| 27.5° | 1300.6 | 1328.1 | 1333.6 | 1364.8 | 1357.5 | 1385.1 | 1388.8 | 1385.1 | 1386.9 | 1388.8 | 1357.5 |
| 30° | 1153.6 | 1159.1 | 1142.6 | 1146.3 | 1126.1 | 1142.6 | 1126.1 | 1138.9 | 1138.9 | 1144.4 | 1126.1 |
| 32.5° | 986.4 | 969.9 | 925.9 | 903.8 | 868.9 | 868.9 | 859.7 | 859.7 | 859.7 | 868.9 | 865.3 |
| 35° | 808.3 | 767.8 | 699.9 | 652.2 | 602.5 | 589.7 | 587.8 | 569.4 | 573.1 | 586.0 | 595.2 |
| 37.5° | 655.8 | 595.2 | 505.2 | 437.2 | 378.4 | 352.7 | 343.5 | 328.8 | 334.3 | 349.0 | 371.0 |
| 40° | 547.4 | 473.9 | 369.2 | 290.2 | 231.4 | 202.0 | 187.3 | 178.2 | 183.7 | 202.0 | 229.6 |
| 42.5° | 479.4 | 398.6 | 286.6 | 203.9 | 148.8 | 121.2 | 106.5 | 99.2 | 104.7 | 121.2 | 154.3 |
| 45° | 429.8 | 345.4 | 231.4 | 150.6 | 101.1 | 75.3 | 62.4 | 57.0 | 60.6 | 75.3 | 102.9 |
| 47.5° | 391.3 | 304.9 | 192.9 | 115.8 | 71.7 | 49.6 | 38.6 | 33.1 | 36.7 | 49.6 | 71.7 |
| 50° | 356.3 | 271.9 | 163.5 | 91.8 | 55.1 | 36.7 | 25.7 | 22.0 | 25.7 | 34.9 | 53.2 |
| 52.5° | 325.1 | 242.5 | 139.6 | 75.3 | 42.3 | 29.4 | 20.2 | 16.5 | 18.4 | 27.6 | 42.3 |
| 55° | 297.5 | 220.4 | 123.1 | 64.3 | 36.7 | 25.7 | 18.4 | 14.7 | 18.4 | 23.9 | 36.7 |
| 57.5° | 271.9 | 198.4 | 108.4 | 55.1 | 31.2 | 22.0 | 16.5 | 14.7 | 16.5 | 22.0 | 31.2 |
| 60° | 246.1 | 176.4 | 95.5 | 47.7 | 27.6 | 20.2 | 14.7 | 12.9 | 14.7 | 18.4 | 27.6 |
| 62.5° | 220.4 | 156.1 | 82.6 | 40.4 | 23.9 | 16.5 | 12.9 | 11.0 | 12.9 | 16.5 | 23.9 |
| 65° | 191.0 | 132.3 | 69.8 | 34.9 | 20.2 | 14.7 | 11.0 | 11.0 | 11.0 | 14.7 | 20.2 |
| 67.5° | 157.9 | 108.4 | 55.1 | 27.6 | 16.5 | 12.9 | 9.2 | 9.2 | 9.2 | 12.9 | 16.5 |
| 70° | 121.2 | 80.8 | 42.3 | 22.0 | 12.9 | 9.2 | 7.3 | 7.3 | 7.3 | 9.2 | 12.9 |
| 72.5° | 84.5 | 57.0 | 29.4 | 16.5 | 9.2 | 7.3 | 5.5 | 5.5 | 5.5 | 7.3 | 9.2 |
| 75° | 53.2 | 36.7 | 20.2 | 11.0 | 7.3 | 5.5 | 3.7 | 3.7 | 3.7 | 5.5 | 7.3 |
| 77.5° | 31.2 | 22.0 | 12.9 | 7.3 | 3.7 | 3.7 | 1.8 | 1.8 | 1.8 | 3.7 | 3.7 |
| 80° | 16.5 | 12.9 | 7.3 | 3.7 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 82.5° | 9.2 | 5.5 | 3.7 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 85° | 3.7 | 1.8 | 1.8 | 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 | 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° | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 | 2020.7 |
| 2.5° | 2040.8 | 2048.2 | 2046.4 | 2007.8 | 2004.1 | 2006.0 | 1980.2 | 1989.4 | 1998.6 | 1989.4 | 1991.3 |
| 5° | 2140.1 | 2138.2 | 2116.2 | 2061.1 | 2039.0 | 2024.3 | 1982.1 | 1974.7 | 1969.2 | 1949.0 | 1941.7 |
| 7.5° | 2270.4 | 2244.8 | 2198.9 | 2116.2 | 2070.2 | 2029.9 | 1967.4 | 1936.2 | 1914.1 | 1879.2 | 1859.0 |
| 10° | 2360.5 | 2309.1 | 2241.0 | 2132.7 | 2062.9 | 2000.5 | 1919.6 | 1871.8 | 1835.1 | 1789.2 | 1759.8 |
| 12.5° | 2373.3 | 2301.7 | 2222.7 | 2096.0 | 2015.2 | 1938.0 | 1849.8 | 1796.5 | 1754.3 | 1704.7 | 1677.2 |
| 15° | 2290.7 | 2217.2 | 2134.5 | 2007.8 | 1927.0 | 1848.0 | 1763.5 | 1710.2 | 1668.0 | 1620.2 | 1596.3 |
| 17.5° | 2134.5 | 2066.6 | 1993.1 | 1875.6 | 1805.7 | 1734.1 | 1658.7 | 1612.8 | 1576.1 | 1539.4 | 1515.5 |
| 20° | 1936.2 | 1882.9 | 1822.3 | 1723.1 | 1668.0 | 1609.2 | 1550.4 | 1513.7 | 1486.1 | 1454.9 | 1436.5 |
| 22.5° | 1739.6 | 1699.2 | 1655.1 | 1576.1 | 1535.7 | 1493.5 | 1447.6 | 1421.8 | 1401.6 | 1377.7 | 1364.8 |
| 25° | 1550.4 | 1522.9 | 1495.3 | 1434.7 | 1410.8 | 1381.4 | 1348.3 | 1330.0 | 1317.1 | 1300.6 | 1291.3 |
| 27.5° | 1353.8 | 1344.7 | 1337.3 | 1298.7 | 1289.5 | 1269.3 | 1247.3 | 1236.3 | 1227.1 | 1216.0 | 1208.7 |
| 30° | 1140.8 | 1146.3 | 1175.7 | 1155.5 | 1164.6 | 1159.1 | 1149.9 | 1142.6 | 1138.9 | 1129.7 | 1120.5 |
| 32.5° | 900.1 | 938.7 | 980.9 | 986.4 | 1014.0 | 1026.9 | 1025.0 | 1026.9 | 1028.7 | 1021.4 | 1014.0 |
| 35° | 644.8 | 707.2 | 773.4 | 802.7 | 848.6 | 878.0 | 889.1 | 900.1 | 907.4 | 905.6 | 900.1 |
| 37.5° | 429.8 | 514.4 | 593.4 | 644.8 | 705.4 | 745.8 | 769.7 | 788.1 | 799.1 | 802.7 | 802.7 |
| 40° | 286.6 | 367.4 | 472.1 | 538.2 | 606.2 | 655.8 | 683.4 | 707.2 | 723.7 | 731.1 | 734.8 |
| 42.5° | 202.0 | 288.4 | 395.0 | 470.3 | 540.0 | 593.4 | 624.6 | 650.2 | 666.9 | 676.0 | 679.6 |
| 45° | 148.8 | 231.4 | 341.6 | 418.8 | 490.5 | 541.9 | 573.1 | 597.0 | 613.5 | 622.8 | 628.2 |
| 47.5° | 113.9 | 194.7 | 301.3 | 380.3 | 451.9 | 499.7 | 529.1 | 551.1 | 565.8 | 573.1 | 576.8 |
| 50° | 90.0 | 163.5 | 268.2 | 347.2 | 413.3 | 457.4 | 483.2 | 501.5 | 514.4 | 519.9 | 523.5 |
| 52.5° | 73.5 | 141.4 | 240.7 | 316.0 | 378.4 | 417.0 | 437.2 | 451.9 | 462.9 | 466.5 | 470.3 |
| 55° | 62.4 | 123.1 | 216.7 | 290.2 | 347.2 | 380.3 | 395.0 | 407.8 | 413.3 | 417.0 | 418.8 |
| 57.5° | 55.1 | 108.4 | 196.6 | 266.3 | 317.8 | 345.4 | 356.3 | 365.6 | 367.4 | 371.0 | 372.9 |
| 60° | 47.7 | 93.7 | 174.5 | 240.7 | 286.6 | 310.4 | 316.0 | 323.3 | 323.3 | 325.1 | 326.9 |
| 62.5° | 40.4 | 80.8 | 152.5 | 214.9 | 255.4 | 275.5 | 279.2 | 281.0 | 281.0 | 281.0 | 282.8 |
| 65° | 33.1 | 67.9 | 128.6 | 185.5 | 222.3 | 235.1 | 236.9 | 238.8 | 235.1 | 235.1 | 236.9 |
| 67.5° | 27.6 | 53.2 | 102.9 | 152.5 | 181.9 | 192.9 | 191.0 | 191.0 | 185.5 | 185.5 | 187.3 |
| 70° | 20.2 | 40.4 | 77.1 | 115.8 | 137.8 | 145.1 | 141.4 | 141.4 | 135.9 | 135.9 | 137.8 |
| 72.5° | 14.7 | 29.4 | 53.2 | 79.0 | 95.5 | 99.2 | 95.5 | 95.5 | 91.8 | 91.8 | 93.7 |
| 75° | 11.0 | 18.4 | 34.9 | 51.4 | 60.6 | 62.4 | 60.6 | 58.8 | 57.0 | 57.0 | 58.8 |
| 77.5° | 7.3 | 12.9 | 20.2 | 29.4 | 34.9 | 36.7 | 34.9 | 34.9 | 33.1 | 34.9 | 34.9 |
| 80° | 3.7 | 7.3 | 11.0 | 16.5 | 18.4 | 20.2 | 20.2 | 20.2 | 18.4 | 18.4 | 20.2 |
| 82.5° | 1.8 | 3.7 | 5.5 | 7.3 | 9.2 | 11.0 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 |
| 85° | 0.0 | 1.8 | 1.8 | 3.7 | 3.7 | 5.5 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 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: P135854

CATALOG NUMBER: LD6A30D010TE ERM6A30935 6LM121LI

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 2020.7 | 2020.7 | 2020.7 | 2020.7 |
| 2.5° | 1987.6 | 1978.4 | 1965.5 | 1993.1 |
| 5° | 1930.6 | 1912.3 | 1897.6 | 1923.3 |
| 7.5° | 1840.6 | 1815.0 | 1794.7 | 1820.4 |
| 10° | 1737.8 | 1708.4 | 1686.3 | 1710.2 |
| 12.5° | 1647.8 | 1618.4 | 1600.0 | 1618.4 |
| 15° | 1568.8 | 1541.2 | 1524.7 | 1541.2 |
| 17.5° | 1491.6 | 1467.7 | 1453.0 | 1471.4 |
| 20° | 1418.2 | 1397.9 | 1385.1 | 1401.6 |
| 22.5° | 1350.1 | 1331.8 | 1320.7 | 1337.3 |
| 25° | 1278.6 | 1265.7 | 1252.8 | 1267.5 |
| 27.5° | 1199.5 | 1184.8 | 1177.5 | 1186.7 |
| 30° | 1109.6 | 1094.9 | 1089.3 | 1096.7 |
| 32.5° | 1003.0 | 988.3 | 982.8 | 988.3 |
| 35° | 892.7 | 879.9 | 872.6 | 879.9 |
| 37.5° | 799.1 | 788.1 | 782.5 | 788.1 |
| 40° | 733.0 | 727.5 | 721.9 | 729.3 |
| 42.5° | 681.6 | 676.0 | 672.3 | 677.8 |
| 45° | 628.2 | 620.9 | 617.2 | 622.8 |
| 47.5° | 575.0 | 567.6 | 564.0 | 567.6 |
| 50° | 519.9 | 510.6 | 508.8 | 510.6 |
| 52.5° | 464.7 | 457.4 | 453.8 | 455.6 |
| 55° | 415.1 | 409.7 | 406.0 | 407.8 |
| 57.5° | 371.0 | 363.7 | 361.9 | 363.7 |
| 60° | 326.9 | 323.3 | 321.5 | 323.3 |
| 62.5° | 282.8 | 281.0 | 282.8 | 282.8 |
| 65° | 238.8 | 238.8 | 240.7 | 240.7 |
| 67.5° | 191.0 | 194.7 | 196.6 | 196.6 |
| 70° | 141.4 | 145.1 | 147.0 | 147.0 |
| 72.5° | 95.5 | 99.2 | 101.1 | 102.9 |
| 75° | 60.6 | 64.3 | 66.1 | 66.1 |
| 77.5° | 36.7 | 38.6 | 38.6 | 40.4 |
| 80° | 20.2 | 22.0 | 22.0 | 22.0 |
| 82.5° | 11.0 | 11.0 | 11.0 | 12.9 |
| 85° | 5.5 | 5.5 | 5.5 | 5.5 |
| 87.5° | 0.0 | 1.8 | 1.8 | 1.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By E9808895 / USPTCWHP6082093





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













(END OF REPORT)