

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: P252527

Luminaire Tested: **LE\_6B60D010R EC6B60709040 6LBLWW1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252527  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-6)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LE\_6B60D010R EC6B60709040 6LBLWW1H  
Description: PORTFOLIO 6 INCH LENS WALLWASH RECESSED DOWNLIGHT, WITH HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5500.0 lumens  
Efficiency: N/A  
Efficacy: 88.0 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.02 / 1.12  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

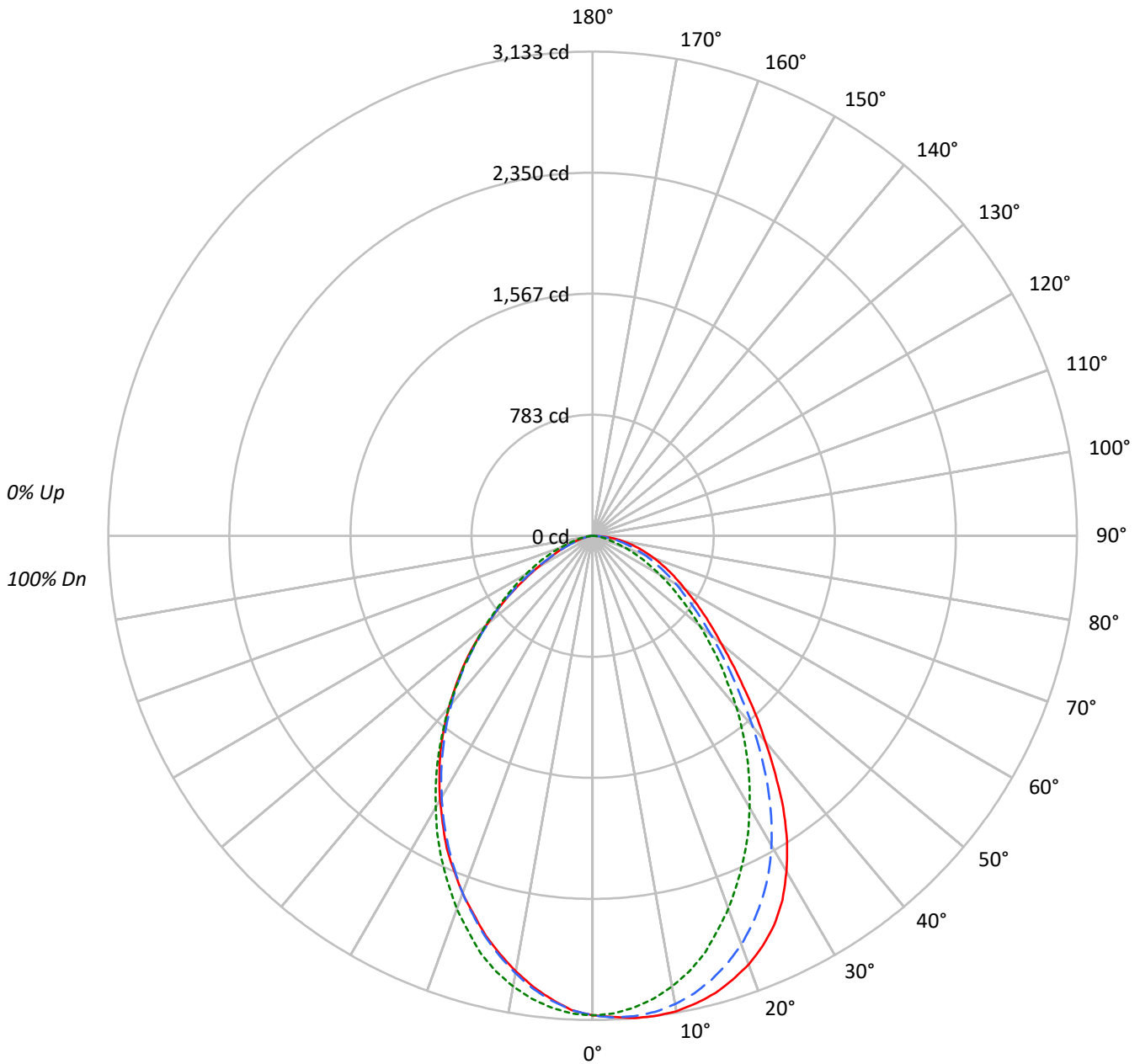
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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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 | 100 | 100 |
| 1   | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99  | 100 | 98  | 96  | 97  | 95  | 93  | 93  | 91  | 90  | 88  | 88  | 88  | 88  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 90  | 86  | 82  | 87  | 84  | 80  | 84  | 81  | 79  | 77  | 77  | 77  | 77  |
| 3   | 95  | 86  | 79  | 73  | 93  | 84  | 78  | 73  | 81  | 76  | 71  | 79  | 74  | 70  | 76  | 72  | 69  | 67  | 67  | 67  | 67  |
| 4   | 88  | 78  | 70  | 64  | 86  | 76  | 69  | 64  | 74  | 68  | 63  | 72  | 66  | 62  | 70  | 65  | 61  | 59  | 59  | 59  | 59  |
| 5   | 82  | 70  | 62  | 57  | 80  | 69  | 62  | 56  | 67  | 61  | 56  | 65  | 60  | 55  | 64  | 59  | 55  | 53  | 53  | 53  | 53  |
| 6   | 76  | 64  | 56  | 51  | 74  | 63  | 56  | 50  | 62  | 55  | 50  | 60  | 54  | 50  | 59  | 53  | 49  | 47  | 47  | 47  | 47  |
| 7   | 71  | 59  | 51  | 46  | 69  | 58  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 43  | 43  | 43  | 43  |
| 8   | 67  | 54  | 47  | 41  | 65  | 54  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 39  | 39  | 39  | 39  |
| 9   | 63  | 50  | 43  | 38  | 61  | 50  | 43  | 38  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 35  | 35  | 35  | 35  |
| 10  | 59  | 47  | 39  | 35  | 58  | 46  | 39  | 35  | 45  | 39  | 34  | 44  | 38  | 34  | 44  | 38  | 34  | 33  | 33  | 33  | 33  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 202435 | 202435 | 202435 |
| 5°  | 205180 | 200661 | 197282 |
| 10° | 206982 | 196131 | 189566 |
| 15° | 206949 | 188908 | 180749 |
| 20° | 204950 | 178325 | 170847 |
| 25° | 200090 | 166278 | 160685 |
| 30° | 188944 | 152912 | 148693 |
| 35° | 171267 | 138660 | 136948 |
| 40° | 147916 | 123320 | 122945 |
| 45° | 126845 | 107349 | 108143 |
| 50° | 110225 | 91854  | 90535  |
| 55° | 99014  | 77448  | 72546  |
| 60° | 89967  | 65228  | 53419  |
| 65° | 84473  | 53891  | 39241  |
| 70° | 80573  | 41927  | 28784  |
| 75° | 77134  | 30400  | 19561  |
| 80° | 72849  | 21040  | 12962  |
| 85° | 64525  | 12875  | 6438   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 290.2  | 5.3       |
| 10°-20°   | 794.9  | 14.5      |
| 20°-30°   | 1103.6 | 20.1      |
| 30°-40°   | 1143.1 | 20.8      |
| 40°-50°   | 939.3  | 17.1      |
| 50°-60°   | 645.6  | 11.7      |
| 60°-70°   | 371.1  | 6.7       |
| 70°-80°   | 170.6  | 3.1       |
| 80°-90°   | 41.5   | 0.8       |
| 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°    | 2188.7 | 39.8      |
| 0°-40°    | 3331.8 | 60.6      |
| 0°-60°    | 4916.7 | 89.4      |
| 0°-90°    | 5500.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5500.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 3103 | 3103 | 3103 | 3103 | 3103 |      |
| 5°  | 3133 | 3120 | 3064 | 3021 | 3012 | 299  |
| 15° | 3064 | 2974 | 2797 | 2685 | 2676 | 863  |
| 25° | 2780 | 2594 | 2310 | 2211 | 2232 | 1272 |
| 35° | 2150 | 1974 | 1741 | 1689 | 1720 | 1334 |
| 45° | 1375 | 1271 | 1164 | 1151 | 1172 | 1071 |
| 55° | 870  | 789  | 681  | 642  | 638  | 783  |
| 65° | 547  | 478  | 349  | 246  | 254  | 545  |
| 75° | 306  | 241  | 121  | 78   | 78   | 323  |
| 85° | 86   | 60   | 17   | 9    | 9    | 97   |
| 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°    | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 |
| 2.5°  | 3115.8 | 3141.6 | 3124.4 | 3120.0 | 3128.6 | 3128.6 | 3128.6 | 3115.8 | 3124.4 | 3111.4 | 3120.0 |
| 5°    | 3133.0 | 3154.5 | 3137.2 | 3128.6 | 3137.2 | 3141.6 | 3128.6 | 3120.0 | 3133.0 | 3115.8 | 3120.0 |
| 7.5°  | 3133.0 | 3154.5 | 3137.2 | 3133.0 | 3137.2 | 3137.2 | 3133.0 | 3115.8 | 3124.4 | 3107.1 | 3107.1 |
| 10°   | 3124.4 | 3141.6 | 3124.4 | 3115.8 | 3120.0 | 3115.8 | 3115.8 | 3094.2 | 3098.5 | 3077.0 | 3077.0 |
| 12.5° | 3098.5 | 3120.0 | 3098.5 | 3089.9 | 3089.9 | 3089.9 | 3077.0 | 3059.8 | 3064.0 | 3038.1 | 3033.9 |
| 15°   | 3064.0 | 3081.2 | 3059.8 | 3051.1 | 3051.1 | 3046.8 | 3038.1 | 3012.4 | 3012.4 | 2986.5 | 2973.5 |
| 17.5° | 3012.4 | 3029.5 | 3012.4 | 2999.4 | 2995.1 | 2986.5 | 2977.9 | 2952.0 | 2943.4 | 2913.2 | 2900.2 |
| 20°   | 2952.0 | 2964.9 | 2947.6 | 2934.8 | 2926.1 | 2917.5 | 2900.2 | 2874.4 | 2865.8 | 2835.6 | 2814.1 |
| 22.5° | 2874.4 | 2891.6 | 2865.8 | 2852.9 | 2844.2 | 2831.4 | 2814.1 | 2788.2 | 2775.2 | 2736.5 | 2710.6 |
| 25°   | 2779.6 | 2788.2 | 2766.6 | 2753.8 | 2736.5 | 2727.9 | 2715.0 | 2680.5 | 2667.5 | 2624.5 | 2594.2 |
| 27.5° | 2659.0 | 2667.5 | 2641.8 | 2633.1 | 2611.5 | 2602.9 | 2585.6 | 2555.5 | 2538.2 | 2495.1 | 2465.0 |
| 30°   | 2508.1 | 2516.8 | 2499.5 | 2486.5 | 2469.4 | 2452.1 | 2439.1 | 2409.0 | 2383.1 | 2340.0 | 2314.1 |
| 32.5° | 2340.0 | 2353.0 | 2335.8 | 2318.5 | 2288.4 | 2292.6 | 2271.1 | 2240.9 | 2219.4 | 2180.6 | 2150.4 |
| 35°   | 2150.4 | 2159.0 | 2137.5 | 2133.1 | 2116.0 | 2098.8 | 2077.1 | 2055.6 | 2042.6 | 1999.6 | 1973.8 |
| 37.5° | 1939.2 | 1960.8 | 1939.2 | 1922.0 | 1913.4 | 1900.5 | 1887.5 | 1857.4 | 1848.8 | 1822.9 | 1788.4 |
| 40°   | 1736.8 | 1749.6 | 1736.8 | 1719.5 | 1706.5 | 1706.5 | 1689.2 | 1672.1 | 1650.5 | 1624.6 | 1611.8 |
| 42.5° | 1555.8 | 1547.1 | 1542.8 | 1534.1 | 1516.9 | 1512.6 | 1508.4 | 1486.8 | 1473.9 | 1448.0 | 1426.4 |
| 45°   | 1374.8 | 1379.0 | 1370.4 | 1366.1 | 1353.1 | 1344.5 | 1335.9 | 1318.8 | 1314.4 | 1288.5 | 1271.2 |
| 47.5° | 1223.9 | 1219.6 | 1211.0 | 1211.0 | 1202.4 | 1193.8 | 1185.1 | 1172.1 | 1167.9 | 1146.4 | 1129.1 |
| 50°   | 1086.0 | 1090.2 | 1086.0 | 1081.6 | 1068.8 | 1064.5 | 1055.9 | 1047.2 | 1038.6 | 1017.0 | 999.8  |
| 52.5° | 974.0  | 969.6  | 965.4  | 965.4  | 952.4  | 948.1  | 939.5  | 930.9  | 922.2  | 900.6  | 887.8  |
| 55°   | 870.5  | 870.5  | 866.2  | 861.9  | 849.0  | 844.6  | 840.4  | 831.8  | 818.8  | 801.5  | 788.6  |
| 57.5° | 775.8  | 775.8  | 771.4  | 767.1  | 758.5  | 758.5  | 749.9  | 741.2  | 732.6  | 715.4  | 698.1  |
| 60°   | 689.5  | 693.9  | 689.5  | 685.2  | 676.6  | 676.6  | 672.2  | 659.4  | 655.0  | 633.5  | 620.6  |
| 62.5° | 616.2  | 616.2  | 616.2  | 612.0  | 607.6  | 599.0  | 599.0  | 586.1  | 577.5  | 564.5  | 547.2  |
| 65°   | 547.2  | 547.2  | 547.2  | 543.0  | 534.4  | 530.1  | 525.8  | 517.1  | 508.5  | 495.6  | 478.4  |
| 67.5° | 482.6  | 482.6  | 482.6  | 478.4  | 469.8  | 465.4  | 461.1  | 456.8  | 443.9  | 431.0  | 413.8  |
| 70°   | 422.4  | 422.4  | 418.0  | 413.8  | 409.4  | 405.1  | 400.8  | 392.1  | 383.5  | 366.2  | 353.4  |
| 72.5° | 362.0  | 362.0  | 362.0  | 353.4  | 349.1  | 349.1  | 340.5  | 336.1  | 327.5  | 310.2  | 297.4  |
| 75°   | 306.0  | 301.6  | 301.6  | 297.4  | 293.0  | 288.8  | 284.4  | 280.1  | 267.1  | 258.6  | 241.4  |
| 77.5° | 250.0  | 250.0  | 245.6  | 241.4  | 241.4  | 237.0  | 232.8  | 224.1  | 219.8  | 206.9  | 193.9  |
| 80°   | 193.9  | 193.9  | 193.9  | 193.9  | 189.6  | 185.2  | 185.2  | 176.8  | 172.4  | 159.5  | 150.9  |
| 82.5° | 146.5  | 142.2  | 142.2  | 142.2  | 137.9  | 133.6  | 133.6  | 129.2  | 125.0  | 116.4  | 107.8  |
| 85°   | 86.2   | 81.9   | 81.9   | 81.9   | 77.6   | 77.6   | 73.2   | 73.2   | 69.0   | 60.4   | 60.4   |
| 87.5° | 25.9   | 25.9   | 30.1   | 30.1   | 25.9   | 25.9   | 25.9   | 25.9   | 25.9   | 21.5   | 21.5   |
| 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°    | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 |
| 2.5°  | 3111.4 | 3124.4 | 3107.1 | 3102.9 | 3120.0 | 3111.4 | 3107.1 | 3098.5 | 3102.9 | 3094.2 | 3081.2 |
| 5°    | 3107.1 | 3124.4 | 3102.9 | 3089.9 | 3111.4 | 3098.5 | 3089.9 | 3081.2 | 3081.2 | 3064.0 | 3055.4 |
| 7.5°  | 3094.2 | 3102.9 | 3081.2 | 3068.4 | 3081.2 | 3068.4 | 3059.8 | 3046.8 | 3042.5 | 3020.9 | 3008.0 |
| 10°   | 3059.8 | 3068.4 | 3042.5 | 3025.2 | 3038.1 | 3020.9 | 3008.0 | 2995.1 | 2986.5 | 2960.6 | 2943.4 |
| 12.5° | 3012.4 | 3016.6 | 2986.5 | 2964.9 | 2973.5 | 2960.6 | 2939.0 | 2921.9 | 2913.2 | 2887.4 | 2865.8 |
| 15°   | 2947.6 | 2952.0 | 2917.5 | 2887.4 | 2896.0 | 2878.8 | 2852.9 | 2835.6 | 2822.8 | 2796.9 | 2766.6 |
| 17.5° | 2870.1 | 2865.8 | 2827.0 | 2796.9 | 2801.1 | 2779.6 | 2753.8 | 2727.9 | 2710.6 | 2680.5 | 2659.0 |
| 20°   | 2783.9 | 2771.0 | 2727.9 | 2693.4 | 2697.8 | 2671.9 | 2641.8 | 2615.9 | 2594.2 | 2568.5 | 2538.2 |
| 22.5° | 2676.1 | 2659.0 | 2620.1 | 2577.0 | 2581.4 | 2559.9 | 2516.8 | 2495.1 | 2473.6 | 2439.1 | 2413.2 |
| 25°   | 2559.9 | 2534.0 | 2495.1 | 2452.1 | 2452.1 | 2426.2 | 2391.8 | 2365.9 | 2344.4 | 2309.9 | 2279.8 |
| 27.5° | 2421.9 | 2409.0 | 2357.2 | 2322.8 | 2318.5 | 2292.6 | 2262.5 | 2232.2 | 2206.5 | 2176.2 | 2146.1 |
| 30°   | 2271.1 | 2249.5 | 2210.8 | 2172.0 | 2163.4 | 2141.8 | 2111.6 | 2077.1 | 2059.9 | 2029.8 | 2003.9 |
| 32.5° | 2111.6 | 2090.1 | 2047.0 | 2008.2 | 2003.9 | 1986.6 | 1960.8 | 1926.4 | 1909.1 | 1887.5 | 1870.2 |
| 35°   | 1930.6 | 1922.0 | 1878.9 | 1848.8 | 1848.8 | 1831.5 | 1805.6 | 1775.5 | 1762.6 | 1741.0 | 1719.5 |
| 37.5° | 1758.2 | 1745.4 | 1706.5 | 1680.8 | 1680.8 | 1659.1 | 1633.2 | 1620.4 | 1607.4 | 1590.2 | 1577.2 |
| 40°   | 1577.2 | 1568.6 | 1538.5 | 1512.6 | 1516.9 | 1499.8 | 1482.5 | 1465.2 | 1456.6 | 1448.0 | 1435.0 |
| 42.5° | 1409.2 | 1400.6 | 1379.0 | 1357.5 | 1357.5 | 1344.5 | 1327.4 | 1314.4 | 1305.8 | 1292.9 | 1288.5 |
| 45°   | 1258.4 | 1245.4 | 1228.2 | 1206.6 | 1206.6 | 1193.8 | 1185.1 | 1176.5 | 1172.1 | 1163.5 | 1150.6 |
| 47.5° | 1111.9 | 1103.2 | 1086.0 | 1064.5 | 1064.5 | 1064.5 | 1047.2 | 1034.2 | 1034.2 | 1025.6 | 1021.4 |
| 50°   | 986.9  | 974.0  | 961.0  | 943.8  | 943.8  | 935.1  | 922.2  | 909.2  | 909.2  | 905.0  | 896.4  |
| 52.5° | 870.5  | 861.9  | 844.6  | 827.4  | 827.4  | 818.8  | 805.9  | 801.5  | 797.2  | 784.4  | 780.0  |
| 55°   | 771.4  | 762.8  | 749.9  | 728.2  | 724.0  | 719.6  | 706.8  | 698.1  | 693.9  | 680.9  | 680.9  |
| 57.5° | 680.9  | 672.2  | 650.8  | 637.8  | 633.5  | 624.9  | 612.0  | 603.4  | 599.0  | 590.4  | 581.8  |
| 60°   | 603.4  | 590.4  | 573.1  | 555.9  | 551.6  | 543.0  | 530.1  | 521.5  | 517.1  | 499.9  | 491.2  |
| 62.5° | 530.1  | 517.1  | 499.9  | 482.6  | 478.4  | 469.8  | 452.5  | 443.9  | 435.2  | 418.0  | 409.4  |
| 65°   | 461.1  | 448.1  | 431.0  | 413.8  | 405.1  | 400.8  | 383.5  | 370.6  | 362.0  | 349.1  | 331.9  |
| 67.5° | 396.5  | 383.5  | 366.2  | 344.8  | 344.8  | 331.9  | 318.9  | 306.0  | 293.0  | 280.1  | 267.1  |
| 70°   | 336.1  | 323.2  | 306.0  | 288.8  | 284.4  | 275.8  | 262.9  | 245.6  | 237.0  | 219.8  | 206.9  |
| 72.5° | 280.1  | 267.1  | 250.0  | 232.8  | 228.4  | 219.8  | 206.9  | 189.6  | 176.8  | 163.8  | 150.9  |
| 75°   | 228.4  | 215.5  | 198.2  | 185.2  | 181.0  | 172.4  | 159.5  | 142.2  | 129.2  | 120.6  | 107.8  |
| 77.5° | 181.0  | 168.1  | 155.1  | 142.2  | 137.9  | 129.2  | 116.4  | 107.8  | 94.8   | 86.2   | 73.2   |
| 80°   | 137.9  | 129.2  | 116.4  | 107.8  | 103.4  | 94.8   | 86.2   | 73.2   | 64.6   | 56.0   | 51.8   |
| 82.5° | 99.1   | 90.5   | 81.9   | 69.0   | 69.0   | 60.4   | 56.0   | 47.4   | 38.8   | 34.5   | 30.1   |
| 85°   | 56.0   | 47.4   | 43.1   | 38.8   | 34.5   | 34.5   | 30.1   | 25.9   | 21.5   | 17.2   | 17.2   |
| 87.5° | 17.2   | 17.2   | 12.9   | 12.9   | 12.9   | 12.9   | 8.6    | 8.6    | 8.6    | 8.6    | 8.6    |
| 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°    | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 |
| 2.5°  | 3081.2 | 3085.6 | 3077.0 | 3085.6 | 3077.0 | 3081.2 | 3072.6 | 3081.2 | 3072.6 | 3081.2 | 3064.0 |
| 5°    | 3051.1 | 3051.1 | 3038.1 | 3046.8 | 3038.1 | 3042.5 | 3025.2 | 3029.5 | 3020.9 | 3029.5 | 3012.4 |
| 7.5°  | 2999.4 | 3003.8 | 2982.1 | 2990.8 | 2977.9 | 2977.9 | 2964.9 | 2969.2 | 2956.2 | 2960.6 | 2947.6 |
| 10°   | 2939.0 | 2934.8 | 2913.2 | 2921.9 | 2904.6 | 2904.6 | 2891.6 | 2891.6 | 2874.4 | 2878.8 | 2861.5 |
| 12.5° | 2852.9 | 2848.5 | 2822.8 | 2831.4 | 2814.1 | 2814.1 | 2801.1 | 2801.1 | 2783.9 | 2792.5 | 2775.2 |
| 15°   | 2753.8 | 2749.5 | 2723.6 | 2727.9 | 2710.6 | 2710.6 | 2693.4 | 2697.8 | 2684.8 | 2693.4 | 2676.1 |
| 17.5° | 2641.8 | 2637.4 | 2611.5 | 2615.9 | 2594.2 | 2598.6 | 2585.6 | 2581.4 | 2572.8 | 2577.0 | 2564.1 |
| 20°   | 2525.4 | 2516.8 | 2490.9 | 2495.1 | 2486.5 | 2473.6 | 2465.0 | 2469.4 | 2460.8 | 2469.4 | 2456.4 |
| 22.5° | 2404.6 | 2387.5 | 2365.9 | 2365.9 | 2357.2 | 2357.2 | 2344.4 | 2353.0 | 2335.8 | 2348.6 | 2340.0 |
| 25°   | 2266.8 | 2253.9 | 2236.6 | 2245.2 | 2228.0 | 2228.0 | 2215.1 | 2219.4 | 2210.8 | 2219.4 | 2210.8 |
| 27.5° | 2133.1 | 2124.6 | 2098.8 | 2107.4 | 2094.4 | 2098.8 | 2085.8 | 2090.1 | 2085.8 | 2094.4 | 2085.8 |
| 30°   | 1991.0 | 1986.6 | 1969.4 | 1969.4 | 1965.1 | 1960.8 | 1956.5 | 1956.5 | 1952.1 | 1965.1 | 1956.5 |
| 32.5° | 1857.4 | 1844.5 | 1827.2 | 1840.1 | 1818.6 | 1831.5 | 1822.9 | 1831.5 | 1822.9 | 1831.5 | 1827.2 |
| 35°   | 1719.5 | 1715.1 | 1693.6 | 1697.9 | 1693.6 | 1693.6 | 1689.2 | 1689.2 | 1689.2 | 1702.2 | 1702.2 |
| 37.5° | 1573.0 | 1568.6 | 1555.8 | 1560.0 | 1551.4 | 1547.1 | 1547.1 | 1555.8 | 1555.8 | 1564.4 | 1564.4 |
| 40°   | 1430.8 | 1435.0 | 1422.1 | 1422.1 | 1417.9 | 1417.9 | 1417.9 | 1426.4 | 1422.1 | 1430.8 | 1426.4 |
| 42.5° | 1288.5 | 1288.5 | 1275.6 | 1279.9 | 1275.6 | 1279.9 | 1279.9 | 1288.5 | 1288.5 | 1292.9 | 1288.5 |
| 45°   | 1154.9 | 1154.9 | 1150.6 | 1154.9 | 1146.4 | 1150.6 | 1146.4 | 1154.9 | 1150.6 | 1154.9 | 1154.9 |
| 47.5° | 1021.4 | 1021.4 | 1021.4 | 1017.0 | 1017.0 | 1017.0 | 1017.0 | 1017.0 | 1012.8 | 1021.4 | 1017.0 |
| 50°   | 896.4  | 900.6  | 896.4  | 896.4  | 892.0  | 896.4  | 892.0  | 892.0  | 883.5  | 887.8  | 887.8  |
| 52.5° | 784.4  | 784.4  | 775.8  | 775.8  | 775.8  | 771.4  | 771.4  | 771.4  | 767.1  | 767.1  | 758.5  |
| 55°   | 676.6  | 676.6  | 668.0  | 668.0  | 663.6  | 659.4  | 655.0  | 655.0  | 642.1  | 642.1  | 629.1  |
| 57.5° | 577.5  | 573.1  | 560.2  | 560.2  | 551.6  | 547.2  | 543.0  | 538.6  | 530.1  | 521.5  | 517.1  |
| 60°   | 487.0  | 478.4  | 469.8  | 465.4  | 456.8  | 448.1  | 439.6  | 431.0  | 422.4  | 418.0  | 413.8  |
| 62.5° | 400.8  | 387.9  | 379.2  | 374.9  | 366.2  | 353.4  | 344.8  | 336.1  | 327.5  | 323.2  | 314.6  |
| 65°   | 323.2  | 310.2  | 297.4  | 293.0  | 284.4  | 275.8  | 262.9  | 254.2  | 245.6  | 241.4  | 241.4  |
| 67.5° | 254.2  | 241.4  | 224.1  | 224.1  | 215.5  | 206.9  | 198.2  | 189.6  | 185.2  | 189.6  | 189.6  |
| 70°   | 189.6  | 181.0  | 168.1  | 163.8  | 155.1  | 146.5  | 142.2  | 142.2  | 142.2  | 146.5  | 142.2  |
| 72.5° | 142.2  | 129.2  | 120.6  | 116.4  | 112.0  | 107.8  | 107.8  | 107.8  | 103.4  | 107.8  | 107.8  |
| 75°   | 99.1   | 90.5   | 81.9   | 81.9   | 77.6   | 77.6   | 77.6   | 77.6   | 77.6   | 77.6   | 77.6   |
| 77.5° | 69.0   | 60.4   | 56.0   | 56.0   | 56.0   | 51.8   | 51.8   | 51.8   | 51.8   | 51.8   | 51.8   |
| 80°   | 43.1   | 43.1   | 38.8   | 38.8   | 34.5   | 34.5   | 34.5   | 34.5   | 34.5   | 34.5   | 34.5   |
| 82.5° | 25.9   | 25.9   | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   |
| 85°   | 12.9   | 12.9   | 12.9   | 12.9   | 12.9   | 8.6    | 8.6    | 8.6    | 8.6    | 8.6    | 8.6    |
| 87.5° | 4.2    | 4.2    | 4.2    | 4.2    | 4.2    | 8.6    | 8.6    | 8.6    | 8.6    | 8.6    | 8.6    |
| 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: P252527

CATALOG NUMBER: LE\_6B60D010R EC6B60709040 6LBLWW1H

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 | 3102.9 |
| 2.5°  | 3064.0 | 3077.0 | 3059.8 | 3072.6 | 3068.4 | 3064.0 | 3055.4 | 3072.6 |
| 5°    | 3012.4 | 3016.6 | 2999.4 | 3016.6 | 3012.4 | 3003.8 | 2995.1 | 3012.4 |
| 7.5°  | 2939.0 | 2952.0 | 2930.4 | 2947.6 | 2943.4 | 2934.8 | 2926.1 | 2943.4 |
| 10°   | 2857.1 | 2870.1 | 2852.9 | 2865.8 | 2865.8 | 2857.1 | 2844.2 | 2861.5 |
| 12.5° | 2766.6 | 2775.2 | 2758.0 | 2775.2 | 2771.0 | 2762.4 | 2758.0 | 2771.0 |
| 15°   | 2667.5 | 2680.5 | 2663.2 | 2676.1 | 2671.9 | 2667.5 | 2663.2 | 2676.1 |
| 17.5° | 2559.9 | 2572.8 | 2559.9 | 2572.8 | 2572.8 | 2559.9 | 2555.5 | 2564.1 |
| 20°   | 2452.1 | 2460.8 | 2447.8 | 2460.8 | 2456.4 | 2456.4 | 2447.8 | 2460.8 |
| 22.5° | 2331.4 | 2344.4 | 2335.8 | 2344.4 | 2340.0 | 2340.0 | 2335.8 | 2344.4 |
| 25°   | 2210.8 | 2223.6 | 2210.8 | 2223.6 | 2219.4 | 2219.4 | 2210.8 | 2232.2 |
| 27.5° | 2090.1 | 2098.8 | 2085.8 | 2103.0 | 2098.8 | 2090.1 | 2094.4 | 2098.8 |
| 30°   | 1960.8 | 1969.4 | 1960.8 | 1973.8 | 1973.8 | 1973.8 | 1965.1 | 1973.8 |
| 32.5° | 1831.5 | 1844.5 | 1831.5 | 1844.5 | 1840.1 | 1840.1 | 1835.9 | 1844.5 |
| 35°   | 1702.2 | 1706.5 | 1697.9 | 1710.9 | 1710.9 | 1715.1 | 1706.5 | 1719.5 |
| 37.5° | 1568.6 | 1573.0 | 1568.6 | 1573.0 | 1581.6 | 1568.6 | 1577.2 | 1581.6 |
| 40°   | 1430.8 | 1439.4 | 1435.0 | 1439.4 | 1439.4 | 1443.6 | 1439.4 | 1443.6 |
| 42.5° | 1292.9 | 1301.5 | 1292.9 | 1305.8 | 1301.5 | 1301.5 | 1305.8 | 1305.8 |
| 45°   | 1150.6 | 1163.5 | 1154.9 | 1163.5 | 1167.9 | 1163.5 | 1163.5 | 1172.1 |
| 47.5° | 1017.0 | 1025.6 | 1021.4 | 1025.6 | 1025.6 | 1025.6 | 1025.6 | 1034.2 |
| 50°   | 883.5  | 887.8  | 887.8  | 892.0  | 892.0  | 896.4  | 887.8  | 892.0  |
| 52.5° | 749.9  | 758.5  | 758.5  | 758.5  | 754.1  | 758.5  | 758.5  | 758.5  |
| 55°   | 629.1  | 633.5  | 624.9  | 633.5  | 633.5  | 629.1  | 629.1  | 637.8  |
| 57.5° | 512.9  | 512.9  | 512.9  | 512.9  | 512.9  | 508.5  | 512.9  | 512.9  |
| 60°   | 405.1  | 409.4  | 405.1  | 405.1  | 405.1  | 405.1  | 400.8  | 409.4  |
| 62.5° | 314.6  | 314.6  | 310.2  | 314.6  | 314.6  | 314.6  | 318.9  | 318.9  |
| 65°   | 245.6  | 250.0  | 245.6  | 250.0  | 250.0  | 250.0  | 250.0  | 254.2  |
| 67.5° | 193.9  | 193.9  | 193.9  | 193.9  | 193.9  | 193.9  | 193.9  | 193.9  |
| 70°   | 146.5  | 146.5  | 146.5  | 150.9  | 146.5  | 146.5  | 146.5  | 150.9  |
| 72.5° | 107.8  | 107.8  | 107.8  | 107.8  | 107.8  | 107.8  | 112.0  | 112.0  |
| 75°   | 77.6   | 77.6   | 77.6   | 77.6   | 77.6   | 77.6   | 77.6   | 77.6   |
| 77.5° | 51.8   | 51.8   | 51.8   | 56.0   | 51.8   | 56.0   | 51.8   | 51.8   |
| 80°   | 34.5   | 34.5   | 34.5   | 34.5   | 34.5   | 34.5   | 34.5   | 34.5   |
| 82.5° | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   | 21.5   |
| 85°   | 8.6    | 8.6    | 8.6    | 8.6    | 8.6    | 8.6    | 8.6    | 8.6    |
| 87.5° | 8.6    | 8.6    | 8.6    | 8.6    | 4.2    | 4.2    | 4.2    | 4.2    |
| 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)