

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: P857653

Luminaire Tested: **LX4C30D010 EX4C309840 4LBLWW\***

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P857653  
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: LX4C30D010 EX4C309840 4LBLWW\*  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

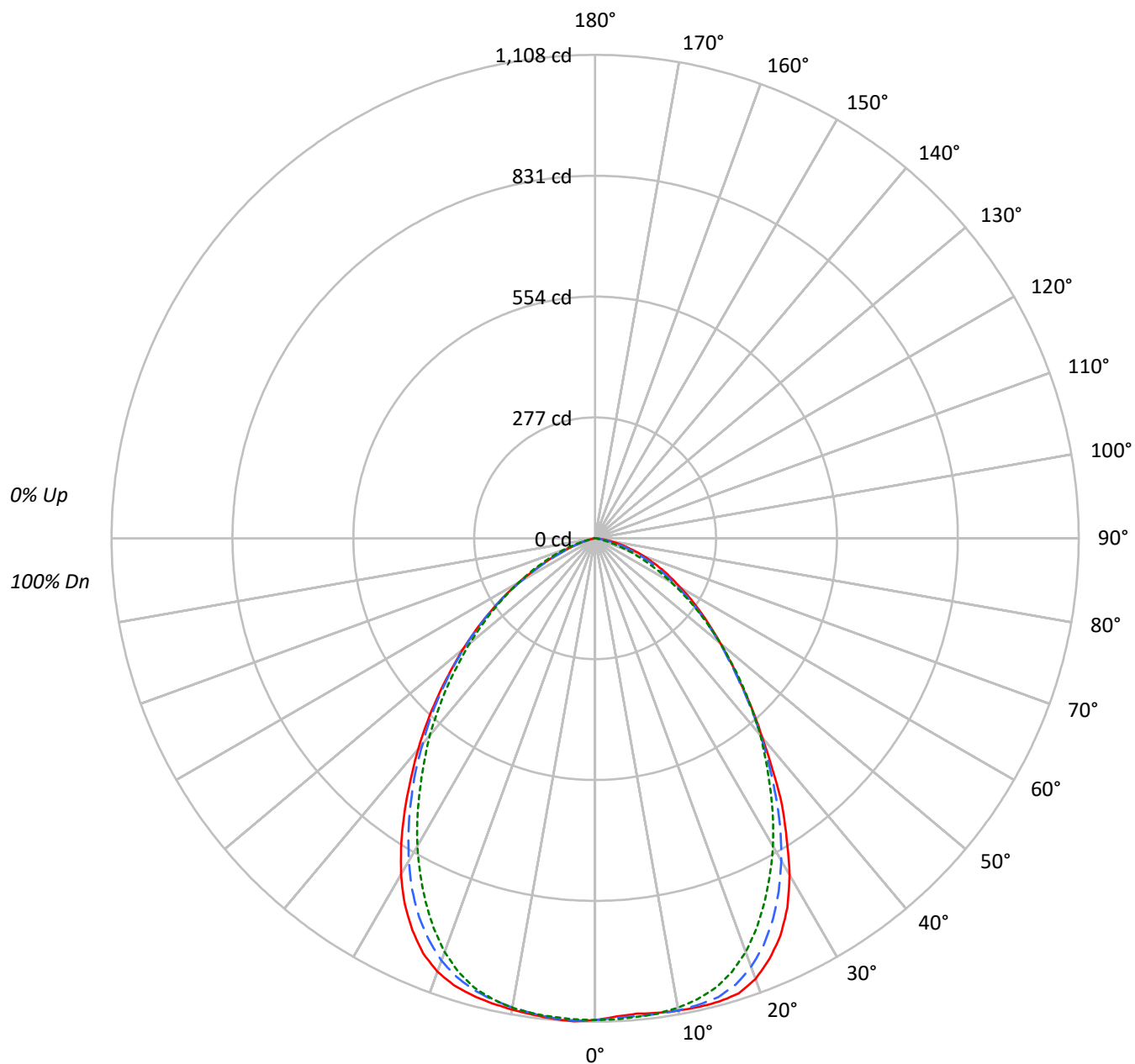
Lumens per Lamp: N/A  
Luminaire Lumens: 2117.0 lumens  
Efficiency: N/A  
Efficacy: 67.0 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.18  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 31.6  
Input Voltage (V):  
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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CATALOG NUMBER: LX4C30D010 EX4C309840 4LBLWW\*

### 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  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  |  | 50  | 30  | 10  |  |  | 50  | 30  | 10  |  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |  |     |     |     |  |  |     |     |     |  |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 |  | 111 | 111 | 111 |  |  | 106 | 106 | 106 |  |  | 102 |
| 1   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99  |  | 101 | 99  | 96  |  |  | 97  | 95  | 93  |  |  | 94  |
| 2   | 103 | 96  | 91  | 86  | 101 | 95  | 89  | 85  |  | 91  | 87  | 83  |  |  | 88  | 84  | 81  |  |  | 85  |
| 3   | 95  | 87  | 80  | 74  | 93  | 85  | 79  | 74  |  | 82  | 77  | 72  |  |  | 80  | 75  | 71  |  |  | 77  |
| 4   | 88  | 78  | 71  | 65  | 86  | 77  | 70  | 65  |  | 75  | 69  | 64  |  |  | 72  | 67  | 63  |  |  | 70  |
| 5   | 82  | 71  | 63  | 57  | 80  | 70  | 63  | 57  |  | 68  | 61  | 57  |  |  | 66  | 60  | 56  |  |  | 64  |
| 6   | 76  | 65  | 57  | 51  | 75  | 64  | 56  | 51  |  | 62  | 56  | 51  |  |  | 61  | 55  | 50  |  |  | 59  |
| 7   | 71  | 59  | 51  | 46  | 70  | 59  | 51  | 46  |  | 57  | 50  | 46  |  |  | 56  | 50  | 45  |  |  | 54  |
| 8   | 67  | 55  | 47  | 42  | 65  | 54  | 47  | 42  |  | 53  | 46  | 41  |  |  | 52  | 46  | 41  |  |  | 50  |
| 9   | 63  | 51  | 43  | 38  | 61  | 50  | 43  | 38  |  | 49  | 42  | 38  |  |  | 48  | 42  | 38  |  |  | 47  |
| 10  | 59  | 47  | 40  | 35  | 58  | 46  | 39  | 35  |  | 45  | 39  | 35  |  |  | 45  | 39  | 35  |  |  | 44  |

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

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 135655 | 135655 | 135655 |
| 5°  | 134890 | 135815 | 136333 |
| 10° | 137136 | 136313 | 136824 |
| 15° | 139817 | 135696 | 137960 |
| 20° | 140517 | 131888 | 138190 |
| 25° | 136191 | 124560 | 134334 |
| 30° | 126411 | 115587 | 126169 |
| 35° | 111942 | 104849 | 114057 |
| 40° | 95438  | 94428  | 101148 |
| 45° | 81988  | 82927  | 88104  |
| 50° | 71558  | 71711  | 75514  |
| 55° | 63250  | 60573  | 62607  |
| 60° | 55431  | 49412  | 49215  |
| 65° | 49069  | 38343  | 34128  |
| 70° | 41883  | 26365  | 20259  |
| 75° | 33844  | 14193  | 9256   |
| 80° | 23135  | 3537   | 2335   |
| 85° | 7048   | 1128   | 1128   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 104.9  | 5.0       |
| 10°-20°   | 303.8  | 14.4      |
| 20°-30°   | 439.0  | 20.7      |
| 30°-40°   | 453.8  | 21.4      |
| 40°-50°   | 375.0  | 17.7      |
| 50°-60°   | 258.8  | 12.2      |
| 60°-70°   | 135.5  | 6.4       |
| 70°-80°   | 42.6   | 2.0       |
| 80°-90°   | 3.6    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 847.7  | 40.0      |
| 0°-40°    | 1301.5 | 61.5      |
| 0°-60°    | 1935.2 | 91.4      |
| 0°-90°    | 2117.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2117.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1104 | 1104 | 1104 | 1104 | 1104 |      |
| 5°  | 1094 | 1099 | 1101 | 1103 | 1106 | 105  |
| 15° | 1099 | 1089 | 1067 | 1072 | 1085 | 310  |
| 25° | 1005 | 964  | 919  | 956  | 991  | 459  |
| 35° | 746  | 722  | 699  | 736  | 760  | 463  |
| 45° | 472  | 470  | 477  | 499  | 507  | 368  |
| 55° | 295  | 286  | 283  | 291  | 292  | 265  |
| 65° | 169  | 153  | 132  | 110  | 117  | 167  |
| 75° | 71   | 56   | 30   | 20   | 20   | 76   |
| 85° | 5    | 2    | 1    | 1    | 1    | 10   |
| 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°    | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 |
| 2.5°  | 1097.2 | 1097.6 | 1097.6 | 1098.4 | 1098.4 | 1098.4 | 1098.8 | 1098.8 | 1099.3 | 1099.7 | 1100.1 |
| 5°    | 1093.8 | 1093.8 | 1094.7 | 1095.1 | 1096.0 | 1096.3 | 1097.2 | 1097.6 | 1098.4 | 1098.8 | 1099.3 |
| 7.5°  | 1097.2 | 1097.2 | 1097.6 | 1098.0 | 1098.0 | 1098.4 | 1098.4 | 1098.8 | 1099.3 | 1099.7 | 1099.7 |
| 10°   | 1099.3 | 1099.3 | 1099.3 | 1099.3 | 1099.7 | 1099.7 | 1099.7 | 1099.3 | 1099.3 | 1099.3 | 1098.8 |
| 12.5° | 1100.1 | 1100.1 | 1099.7 | 1099.3 | 1099.7 | 1099.3 | 1099.3 | 1098.0 | 1097.2 | 1096.3 | 1095.1 |
| 15°   | 1099.3 | 1099.3 | 1098.8 | 1098.4 | 1098.0 | 1097.2 | 1096.8 | 1094.7 | 1093.0 | 1090.5 | 1088.9 |
| 17.5° | 1093.8 | 1093.0 | 1092.2 | 1091.4 | 1089.7 | 1088.5 | 1087.7 | 1083.9 | 1081.0 | 1076.9 | 1072.3 |
| 20°   | 1074.8 | 1073.9 | 1072.7 | 1070.6 | 1068.6 | 1066.9 | 1064.4 | 1059.0 | 1056.1 | 1049.9 | 1045.3 |
| 22.5° | 1043.7 | 1042.9 | 1043.2 | 1039.5 | 1035.4 | 1032.9 | 1031.2 | 1026.7 | 1021.7 | 1013.8 | 1008.8 |
| 25°   | 1004.7 | 1002.2 | 1002.2 | 996.4  | 994.4  | 992.7  | 990.6  | 985.2  | 977.8  | 970.7  | 964.1  |
| 27.5° | 954.1  | 950.8  | 949.2  | 948.3  | 943.4  | 939.6  | 936.7  | 932.6  | 926.3  | 920.1  | 911.0  |
| 30°   | 891.1  | 890.7  | 888.6  | 884.9  | 881.1  | 879.4  | 876.1  | 869.1  | 863.3  | 858.7  | 853.0  |
| 32.5° | 816.8  | 816.5  | 816.5  | 816.5  | 814.0  | 813.5  | 808.5  | 804.9  | 800.2  | 793.2  | 789.5  |
| 35°   | 746.4  | 745.9  | 746.4  | 740.1  | 738.5  | 737.3  | 736.8  | 734.3  | 728.1  | 724.8  | 721.5  |
| 37.5° | 666.8  | 668.0  | 667.2  | 665.5  | 667.6  | 663.9  | 666.8  | 661.4  | 658.9  | 658.0  | 654.4  |
| 40°   | 595.1  | 598.4  | 595.1  | 595.4  | 597.6  | 593.8  | 593.8  | 592.9  | 591.3  | 590.4  | 589.6  |
| 42.5° | 533.6  | 529.5  | 532.0  | 530.0  | 532.0  | 530.8  | 528.7  | 530.0  | 530.3  | 528.7  | 528.3  |
| 45°   | 471.9  | 472.7  | 473.5  | 472.3  | 472.3  | 471.0  | 474.4  | 472.3  | 472.3  | 472.7  | 469.8  |
| 47.5° | 421.7  | 420.5  | 421.3  | 420.5  | 420.9  | 420.0  | 420.9  | 421.3  | 420.5  | 420.5  | 418.0  |
| 50°   | 374.4  | 373.6  | 376.5  | 374.0  | 374.0  | 373.6  | 374.0  | 373.2  | 371.9  | 371.9  | 372.7  |
| 52.5° | 333.4  | 331.7  | 331.3  | 333.4  | 330.5  | 330.5  | 330.9  | 330.0  | 328.4  | 327.5  | 325.5  |
| 55°   | 295.3  | 294.8  | 295.3  | 293.6  | 292.8  | 292.8  | 290.7  | 289.8  | 289.5  | 287.3  | 286.1  |
| 57.5° | 259.6  | 258.3  | 258.8  | 258.3  | 256.6  | 256.3  | 254.6  | 254.6  | 252.9  | 251.3  | 249.2  |
| 60°   | 225.6  | 225.6  | 226.9  | 225.2  | 223.9  | 223.1  | 222.2  | 221.4  | 218.6  | 215.6  | 213.1  |
| 62.5° | 195.3  | 195.7  | 195.3  | 194.0  | 193.2  | 192.4  | 191.5  | 189.0  | 186.6  | 184.9  | 182.0  |
| 65°   | 168.8  | 168.4  | 167.1  | 166.3  | 164.2  | 164.2  | 162.6  | 161.3  | 158.4  | 155.9  | 153.0  |
| 67.5° | 141.4  | 140.5  | 140.5  | 140.5  | 138.0  | 137.7  | 136.8  | 134.4  | 131.9  | 128.5  | 126.1  |
| 70°   | 116.6  | 117.4  | 116.1  | 114.9  | 113.6  | 113.2  | 111.9  | 109.5  | 106.6  | 103.3  | 101.2  |
| 72.5° | 92.9   | 93.7   | 92.5   | 92.0   | 89.5   | 88.7   | 88.3   | 86.2   | 82.9   | 80.9   | 77.6   |
| 75°   | 71.3   | 71.7   | 70.9   | 70.1   | 68.4   | 68.0   | 65.9   | 64.3   | 62.2   | 58.9   | 56.0   |
| 77.5° | 51.5   | 50.6   | 50.6   | 49.0   | 47.3   | 47.3   | 46.8   | 44.4   | 41.5   | 39.0   | 36.5   |
| 80°   | 32.7   | 32.4   | 31.1   | 30.2   | 29.0   | 28.6   | 28.2   | 26.1   | 24.1   | 22.4   | 20.7   |
| 82.5° | 16.6   | 16.1   | 15.8   | 15.3   | 14.5   | 13.6   | 14.1   | 12.4   | 11.6   | 10.0   | 8.7    |
| 85°   | 5.0    | 5.4    | 5.4    | 5.0    | 4.5    | 4.5    | 4.5    | 4.1    | 3.3    | 2.9    | 2.5    |
| 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):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 |
| 2.5°  | 1100.5 | 1100.9 | 1101.3 | 1101.7 | 1101.7 | 1102.1 | 1102.5 | 1103.0 | 1103.4 | 1103.4 | 1103.8 |
| 5°    | 1099.7 | 1100.5 | 1100.5 | 1100.9 | 1100.9 | 1100.9 | 1101.3 | 1101.3 | 1101.3 | 1101.3 | 1101.7 |
| 7.5°  | 1100.1 | 1100.1 | 1100.1 | 1099.7 | 1099.7 | 1099.3 | 1099.3 | 1099.3 | 1098.4 | 1098.4 | 1098.4 |
| 10°   | 1098.0 | 1097.6 | 1097.2 | 1096.3 | 1096.0 | 1095.5 | 1094.7 | 1093.8 | 1093.0 | 1092.7 | 1091.8 |
| 12.5° | 1093.8 | 1092.2 | 1090.5 | 1088.9 | 1088.0 | 1087.7 | 1086.0 | 1084.7 | 1083.5 | 1082.2 | 1081.4 |
| 15°   | 1085.6 | 1083.1 | 1080.2 | 1076.9 | 1076.1 | 1075.2 | 1072.3 | 1069.8 | 1068.1 | 1066.9 | 1064.8 |
| 17.5° | 1069.0 | 1064.0 | 1060.7 | 1055.7 | 1053.6 | 1052.8 | 1048.2 | 1045.7 | 1042.9 | 1042.0 | 1040.4 |
| 20°   | 1039.5 | 1035.0 | 1028.7 | 1024.2 | 1021.7 | 1019.3 | 1015.5 | 1012.1 | 1008.8 | 1008.8 | 1006.8 |
| 22.5° | 1002.7 | 996.8  | 988.9  | 983.1  | 982.7  | 977.8  | 974.4  | 970.7  | 969.5  | 967.0  | 967.0  |
| 25°   | 956.2  | 951.2  | 942.5  | 937.5  | 935.1  | 933.8  | 928.4  | 923.4  | 920.9  | 918.9  | 920.5  |
| 27.5° | 904.8  | 897.3  | 890.7  | 884.4  | 882.4  | 879.9  | 874.9  | 872.8  | 868.3  | 867.8  | 867.5  |
| 30°   | 845.9  | 838.4  | 831.8  | 828.9  | 824.8  | 822.6  | 819.0  | 816.5  | 814.8  | 814.8  | 814.0  |
| 32.5° | 784.1  | 777.5  | 774.1  | 768.0  | 765.8  | 763.0  | 760.5  | 758.0  | 758.8  | 758.0  | 758.4  |
| 35°   | 717.3  | 715.7  | 709.5  | 705.7  | 705.7  | 705.4  | 701.2  | 699.5  | 698.7  | 699.1  | 701.2  |
| 37.5° | 653.9  | 648.9  | 644.8  | 642.3  | 644.4  | 641.9  | 641.4  | 641.4  | 643.9  | 642.3  | 645.6  |
| 40°   | 586.3  | 585.9  | 584.3  | 585.1  | 585.5  | 582.6  | 583.4  | 583.8  | 585.5  | 588.8  | 589.3  |
| 42.5° | 527.5  | 527.0  | 527.0  | 527.0  | 526.2  | 524.5  | 526.2  | 529.1  | 528.7  | 531.2  | 533.3  |
| 45°   | 470.7  | 469.8  | 471.5  | 470.2  | 472.7  | 473.5  | 472.3  | 473.2  | 475.6  | 477.3  | 480.6  |
| 47.5° | 418.8  | 418.8  | 419.2  | 420.0  | 417.5  | 419.7  | 420.5  | 422.2  | 423.4  | 424.2  | 425.8  |
| 50°   | 370.7  | 370.7  | 369.9  | 369.9  | 369.9  | 371.1  | 369.4  | 371.5  | 371.9  | 375.2  | 377.3  |
| 52.5° | 326.3  | 324.2  | 325.5  | 324.7  | 323.0  | 322.2  | 323.0  | 323.4  | 325.9  | 326.7  | 329.2  |
| 55°   | 284.0  | 284.0  | 280.7  | 279.9  | 281.2  | 280.7  | 280.3  | 280.3  | 281.5  | 282.8  | 284.8  |
| 57.5° | 246.7  | 244.2  | 241.8  | 241.3  | 240.1  | 240.5  | 240.5  | 240.1  | 239.3  | 239.7  | 240.1  |
| 60°   | 211.4  | 209.8  | 206.1  | 206.1  | 205.6  | 205.3  | 203.1  | 202.8  | 200.7  | 201.1  | 199.5  |
| 62.5° | 179.2  | 178.3  | 173.4  | 171.7  | 171.7  | 170.4  | 168.4  | 167.9  | 165.1  | 165.1  | 163.4  |
| 65°   | 150.1  | 147.6  | 144.7  | 141.8  | 141.8  | 140.2  | 138.9  | 135.2  | 133.1  | 131.9  | 129.4  |
| 67.5° | 123.6  | 119.9  | 116.9  | 114.4  | 112.8  | 112.4  | 109.5  | 107.0  | 103.6  | 101.6  | 97.8   |
| 70°   | 97.8   | 95.0   | 92.0   | 89.5   | 87.9   | 86.2   | 83.4   | 79.6   | 77.1   | 73.4   | 70.9   |
| 72.5° | 73.8   | 71.3   | 68.8   | 65.5   | 63.4   | 62.2   | 59.3   | 56.0   | 51.8   | 49.3   | 46.0   |
| 75°   | 53.1   | 50.2   | 46.8   | 44.0   | 42.7   | 41.5   | 38.2   | 35.7   | 32.7   | 29.9   | 26.6   |
| 77.5° | 34.4   | 31.1   | 28.6   | 25.3   | 24.9   | 24.1   | 20.7   | 18.3   | 16.1   | 14.5   | 12.4   |
| 80°   | 18.3   | 16.6   | 14.5   | 12.4   | 11.6   | 10.3   | 8.7    | 7.5    | 6.2    | 5.0    | 4.1    |
| 82.5° | 7.8    | 6.6    | 5.4    | 4.5    | 4.1    | 3.7    | 2.9    | 2.5    | 2.1    | 2.1    | 1.7    |
| 85°   | 2.1    | 1.7    | 1.7    | 1.2    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    | 0.4    | 0.4    | 0.0    | 0.4    | 0.4    | 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):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 |
| 2.5°  | 1104.2 | 1104.6 | 1105.0 | 1105.0 | 1105.5 | 1105.8 | 1105.8 | 1106.3 | 1106.7 | 1107.1 | 1107.1 |
| 5°    | 1102.1 | 1102.1 | 1102.1 | 1102.5 | 1102.5 | 1102.5 | 1102.5 | 1103.4 | 1103.4 | 1103.8 | 1104.2 |
| 7.5°  | 1098.0 | 1098.0 | 1098.0 | 1098.0 | 1097.6 | 1098.0 | 1097.6 | 1097.6 | 1098.4 | 1098.8 | 1099.3 |
| 10°   | 1091.4 | 1091.0 | 1091.0 | 1090.5 | 1090.5 | 1090.5 | 1091.0 | 1091.4 | 1091.8 | 1092.2 | 1093.5 |
| 12.5° | 1081.0 | 1080.6 | 1080.6 | 1080.2 | 1080.2 | 1080.6 | 1081.0 | 1081.9 | 1083.5 | 1084.4 | 1086.0 |
| 15°   | 1064.4 | 1064.0 | 1064.4 | 1064.8 | 1065.6 | 1066.9 | 1068.1 | 1069.4 | 1071.9 | 1073.9 | 1076.1 |
| 17.5° | 1040.4 | 1040.8 | 1041.2 | 1042.0 | 1043.2 | 1044.9 | 1048.2 | 1051.5 | 1054.5 | 1057.8 | 1061.1 |
| 20°   | 1007.2 | 1008.8 | 1009.3 | 1012.1 | 1013.0 | 1016.8 | 1020.4 | 1025.4 | 1030.0 | 1034.2 | 1038.7 |
| 22.5° | 967.4  | 968.6  | 970.3  | 973.6  | 975.7  | 980.6  | 985.2  | 991.0  | 996.0  | 1001.4 | 1008.0 |
| 25°   | 922.2  | 922.6  | 927.6  | 927.6  | 932.6  | 936.7  | 942.1  | 948.3  | 955.8  | 962.8  | 967.4  |
| 27.5° | 870.8  | 872.8  | 876.6  | 878.3  | 881.9  | 888.6  | 893.2  | 900.7  | 908.1  | 914.3  | 919.3  |
| 30°   | 816.8  | 818.5  | 824.8  | 825.6  | 828.5  | 834.3  | 840.5  | 847.5  | 853.4  | 860.4  | 865.0  |
| 32.5° | 760.0  | 764.6  | 768.3  | 771.3  | 772.1  | 780.8  | 784.1  | 789.1  | 795.7  | 802.7  | 807.3  |
| 35°   | 704.9  | 707.0  | 712.4  | 714.0  | 716.5  | 721.5  | 728.1  | 732.3  | 735.6  | 740.1  | 745.6  |
| 37.5° | 646.4  | 652.7  | 653.9  | 658.9  | 659.7  | 664.3  | 667.6  | 672.6  | 676.7  | 680.8  | 681.6  |
| 40°   | 592.1  | 594.2  | 598.7  | 600.0  | 600.9  | 607.0  | 611.2  | 612.4  | 614.5  | 618.2  | 623.2  |
| 42.5° | 537.0  | 539.1  | 544.1  | 542.8  | 546.5  | 549.4  | 551.5  | 556.4  | 558.5  | 559.7  | 559.7  |
| 45°   | 482.7  | 483.5  | 486.8  | 488.5  | 490.5  | 492.2  | 495.9  | 498.4  | 499.3  | 502.9  | 504.2  |
| 47.5° | 430.8  | 431.7  | 434.1  | 437.0  | 436.2  | 438.3  | 442.4  | 443.6  | 444.1  | 446.6  | 447.8  |
| 50°   | 379.8  | 381.9  | 385.2  | 384.3  | 386.8  | 388.1  | 391.8  | 392.6  | 392.6  | 393.1  | 393.5  |
| 52.5° | 332.2  | 333.8  | 334.6  | 335.5  | 336.7  | 338.8  | 340.5  | 339.6  | 341.3  | 342.9  | 341.7  |
| 55°   | 284.8  | 286.1  | 288.2  | 289.0  | 289.0  | 289.5  | 288.6  | 292.3  | 290.7  | 290.3  | 290.7  |
| 57.5° | 241.8  | 240.1  | 239.7  | 241.8  | 242.6  | 242.2  | 240.9  | 242.6  | 242.6  | 241.8  | 240.5  |
| 60°   | 199.8  | 198.6  | 198.2  | 198.6  | 197.0  | 195.7  | 196.5  | 195.7  | 193.7  | 192.8  | 193.2  |
| 62.5° | 161.7  | 160.5  | 157.1  | 157.1  | 156.3  | 155.9  | 152.6  | 153.0  | 151.3  | 148.8  | 149.7  |
| 65°   | 126.4  | 123.1  | 121.5  | 121.1  | 118.2  | 115.7  | 114.9  | 111.9  | 109.5  | 109.1  | 109.5  |
| 67.5° | 95.0   | 91.2   | 88.3   | 87.0   | 85.4   | 83.4   | 80.4   | 77.9   | 78.7   | 78.4   | 80.0   |
| 70°   | 65.9   | 63.4   | 60.5   | 58.5   | 59.3   | 56.8   | 55.1   | 55.1   | 55.6   | 56.0   | 56.8   |
| 72.5° | 44.0   | 40.7   | 39.4   | 38.2   | 37.3   | 35.7   | 36.5   | 36.5   | 36.1   | 36.5   | 35.7   |
| 75°   | 24.9   | 23.2   | 21.9   | 21.6   | 20.7   | 20.7   | 20.7   | 20.7   | 20.3   | 19.9   | 19.9   |
| 77.5° | 11.2   | 10.3   | 10.0   | 9.5    | 9.5    | 9.5    | 9.1    | 8.7    | 8.7    | 8.7    | 8.3    |
| 80°   | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    |
| 82.5° | 1.7    | 1.7    | 2.1    | 2.1    | 2.1    | 1.7    | 2.1    | 2.1    | 1.7    | 1.7    | 2.1    |
| 85°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 87.5° | 0.4    | 0.4    | 0.4    | 0.0    | 0.4    | 0.4    | 0.4    | 0.4    | 0.0    | 0.4    | 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: P857653

CATALOG NUMBER: LX4C30D010 EX4C309840 4LBLWW\*

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 | 1104.2 |
| 2.5°  | 1107.5 | 1108.0 | 1108.0 | 1108.0 | 1108.3 | 1108.3 | 1108.3 | 1108.3 |
| 5°    | 1104.6 | 1105.0 | 1105.0 | 1105.0 | 1105.5 | 1105.5 | 1105.5 | 1105.5 |
| 7.5°  | 1099.7 | 1100.1 | 1100.1 | 1100.5 | 1100.5 | 1100.9 | 1100.9 | 1101.3 |
| 10°   | 1093.8 | 1094.7 | 1095.1 | 1095.5 | 1096.0 | 1096.3 | 1096.3 | 1096.8 |
| 12.5° | 1087.7 | 1088.5 | 1088.9 | 1089.7 | 1090.5 | 1091.0 | 1091.4 | 1091.8 |
| 15°   | 1078.5 | 1080.2 | 1081.0 | 1081.4 | 1083.1 | 1083.9 | 1084.4 | 1084.7 |
| 17.5° | 1064.0 | 1067.3 | 1068.6 | 1069.4 | 1071.1 | 1072.7 | 1073.9 | 1074.4 |
| 20°   | 1043.2 | 1047.0 | 1048.7 | 1050.7 | 1053.2 | 1055.3 | 1056.1 | 1057.0 |
| 22.5° | 1014.3 | 1018.4 | 1020.9 | 1023.4 | 1025.4 | 1027.6 | 1030.9 | 1029.6 |
| 25°   | 972.8  | 979.8  | 982.7  | 983.9  | 988.5  | 991.0  | 992.7  | 991.0  |
| 27.5° | 926.3  | 930.4  | 932.9  | 935.9  | 939.2  | 941.7  | 942.5  | 945.0  |
| 30°   | 870.3  | 877.4  | 877.0  | 879.9  | 884.1  | 886.6  | 887.4  | 889.4  |
| 32.5° | 812.3  | 815.6  | 818.1  | 817.7  | 819.3  | 823.9  | 822.3  | 826.0  |
| 35°   | 750.5  | 750.9  | 755.1  | 754.7  | 758.0  | 758.0  | 758.0  | 760.5  |
| 37.5° | 684.6  | 689.6  | 687.5  | 692.4  | 690.8  | 692.1  | 692.1  | 692.9  |
| 40°   | 624.5  | 626.1  | 626.1  | 627.8  | 629.0  | 627.8  | 628.6  | 630.7  |
| 42.5° | 562.2  | 563.9  | 564.4  | 563.5  | 564.7  | 568.5  | 565.5  | 568.0  |
| 45°   | 504.2  | 505.4  | 507.1  | 505.9  | 507.9  | 506.7  | 507.9  | 507.1  |
| 47.5° | 449.5  | 449.1  | 448.6  | 451.9  | 449.1  | 449.5  | 451.1  | 448.3  |
| 50°   | 393.5  | 396.0  | 394.3  | 395.6  | 396.4  | 396.4  | 395.1  | 395.1  |
| 52.5° | 343.8  | 343.3  | 342.1  | 343.3  | 342.5  | 342.9  | 343.8  | 342.9  |
| 55°   | 292.3  | 294.0  | 293.1  | 292.8  | 293.1  | 293.1  | 295.6  | 292.3  |
| 57.5° | 241.8  | 240.9  | 242.2  | 245.1  | 242.2  | 244.2  | 245.5  | 245.9  |
| 60°   | 193.7  | 193.7  | 196.1  | 194.8  | 197.3  | 199.5  | 201.1  | 200.3  |
| 62.5° | 147.6  | 149.7  | 150.5  | 151.0  | 153.4  | 155.1  | 155.1  | 154.6  |
| 65°   | 109.5  | 112.4  | 112.4  | 114.1  | 114.9  | 114.9  | 115.7  | 117.4  |
| 67.5° | 80.9   | 80.9   | 81.2   | 82.1   | 81.7   | 81.7   | 82.5   | 82.9   |
| 70°   | 56.4   | 55.6   | 56.8   | 56.4   | 56.4   | 56.0   | 56.4   | 56.4   |
| 72.5° | 35.7   | 35.7   | 36.1   | 35.7   | 34.9   | 35.2   | 35.2   | 36.1   |
| 75°   | 19.1   | 19.9   | 19.1   | 19.1   | 19.5   | 18.6   | 19.1   | 19.5   |
| 77.5° | 7.8    | 7.8    | 7.8    | 7.8    | 7.8    | 7.5    | 7.5    | 7.5    |
| 80°   | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.3    | 3.3    |
| 82.5° | 1.7    | 2.1    | 1.7    | 2.1    | 1.7    | 1.7    | 1.7    | 1.7    |
| 85°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 87.5° | 0.0    | 0.4    | 0.0    | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    |
| 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)