

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: P858934

Luminaire Tested: **LX4C05D010 EX4C059030 4LBLWW\***

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P858934  
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: LX4C05D010 EX4C059030 4LBLWW\*  
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LRLWW TRIM WITH \* FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver: -

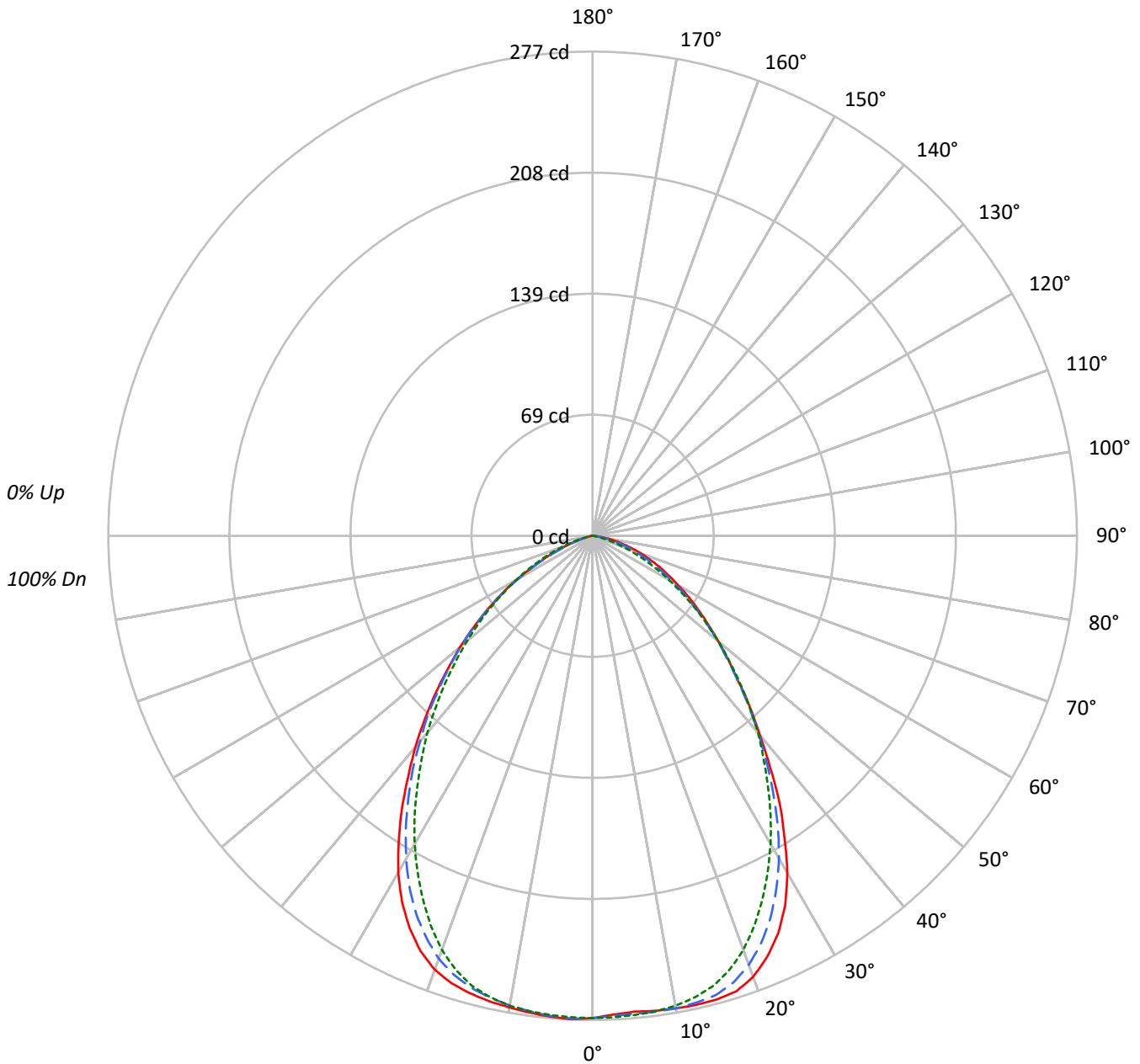
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 528.9 lumens  
Efficiency: N/A  
Efficacy: 73.5 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): 7.2  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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: LX4C05D010 EX4C059030 4LBLWW\*

### Luminous Intensity Polar Plot





TEST NUMBER: P858934

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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   | 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°  | 33895 | 33895 | 33895 |
| 5°  | 33704 | 33938 | 34062 |
| 10° | 34256 | 34056 | 34181 |
| 15° | 34926 | 33908 | 34468 |
| 20° | 35103 | 32959 | 34528 |
| 25° | 34024 | 31123 | 33563 |
| 30° | 31592 | 28868 | 31535 |
| 35° | 27971 | 26201 | 28496 |
| 40° | 23848 | 23591 | 25275 |
| 45° | 20484 | 20710 | 22013 |
| 50° | 17889 | 17928 | 18883 |
| 55° | 15786 | 15143 | 15636 |
| 60° | 13858 | 12334 | 12285 |
| 65° | 12267 | 9593  | 8517  |
| 70° | 10453 | 6573  | 5065  |
| 75° | 8449  | 3513  | 2326  |
| 80° | 5731  | 849   | 566   |
| 85° | 1692  | 282   | 282   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 26.2   | 5.0       |
| 10°-20°   | 75.9   | 14.4      |
| 20°-30°   | 109.7  | 20.7      |
| 30°-40°   | 113.4  | 21.4      |
| 40°-50°   | 93.7   | 17.7      |
| 50°-60°   | 64.7   | 12.2      |
| 60°-70°   | 33.9   | 6.4       |
| 70°-80°   | 10.7   | 2.0       |
| 80°-90°   | 0.9    | 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°    | 211.8  | 40.0      |
| 0°-40°    | 325.2  | 61.5      |
| 0°-60°    | 483.5  | 91.4      |
| 0°-90°    | 528.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 528.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 276 | 276 | 276 | 276  | 276  |      |
| 5°  | 273 | 275 | 275 | 276  | 276  | 26   |
| 15° | 275 | 272 | 267 | 268  | 271  | 77   |
| 25° | 251 | 241 | 230 | 239  | 248  | 115  |
| 35° | 186 | 180 | 175 | 184  | 190  | 116  |
| 45° | 118 | 117 | 119 | 125  | 127  | 92   |
| 55° | 74  | 72  | 71  | 73   | 73   | 66   |
| 65° | 42  | 38  | 33  | 27   | 29   | 42   |
| 75° | 18  | 14  | 7   | 5    | 5    | 19   |
| 85° | 1   | 1   | 0   | 0    | 0    | 3    |
| 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°    | 275.9 | 275.9 | 275.9 | 275.9 | 275.9 | 275.9 | 275.9 | 275.9 | 275.9 | 275.9 | 275.9 |
| 2.5°  | 274.1 | 274.2 | 274.2 | 274.4 | 274.4 | 274.4 | 274.5 | 274.5 | 274.6 | 274.7 | 274.8 |
| 5°    | 273.3 | 273.3 | 273.5 | 273.6 | 273.8 | 273.9 | 274.1 | 274.2 | 274.4 | 274.5 | 274.6 |
| 7.5°  | 274.1 | 274.1 | 274.2 | 274.3 | 274.3 | 274.4 | 274.4 | 274.5 | 274.6 | 274.7 | 274.7 |
| 10°   | 274.6 | 274.6 | 274.6 | 274.6 | 274.7 | 274.7 | 274.7 | 274.6 | 274.6 | 274.6 | 274.5 |
| 12.5° | 274.8 | 274.8 | 274.7 | 274.6 | 274.7 | 274.6 | 274.6 | 274.3 | 274.1 | 273.9 | 273.6 |
| 15°   | 274.6 | 274.6 | 274.5 | 274.4 | 274.3 | 274.1 | 274.0 | 273.5 | 273.1 | 272.5 | 272.1 |
| 17.5° | 273.3 | 273.1 | 272.9 | 272.7 | 272.3 | 272.0 | 271.8 | 270.8 | 270.1 | 269.0 | 267.9 |
| 20°   | 268.5 | 268.3 | 268.0 | 267.5 | 267.0 | 266.6 | 266.0 | 264.6 | 263.9 | 262.3 | 261.2 |
| 22.5° | 260.8 | 260.6 | 260.7 | 259.7 | 258.7 | 258.1 | 257.7 | 256.5 | 255.3 | 253.3 | 252.1 |
| 25°   | 251.0 | 250.4 | 250.4 | 248.9 | 248.4 | 248.0 | 247.5 | 246.2 | 244.3 | 242.5 | 240.9 |
| 27.5° | 238.4 | 237.5 | 237.1 | 236.9 | 235.7 | 234.8 | 234.1 | 233.0 | 231.4 | 229.9 | 227.6 |
| 30°   | 222.7 | 222.6 | 222.1 | 221.1 | 220.1 | 219.7 | 218.9 | 217.2 | 215.7 | 214.5 | 213.1 |
| 32.5° | 204.1 | 203.9 | 203.9 | 203.9 | 203.3 | 203.2 | 202.0 | 201.1 | 200.0 | 198.2 | 197.2 |
| 35°   | 186.5 | 186.4 | 186.5 | 184.9 | 184.5 | 184.2 | 184.1 | 183.5 | 182.0 | 181.1 | 180.2 |
| 37.5° | 166.6 | 166.9 | 166.7 | 166.3 | 166.8 | 165.9 | 166.6 | 165.3 | 164.6 | 164.4 | 163.5 |
| 40°   | 148.7 | 149.5 | 148.7 | 148.8 | 149.3 | 148.4 | 148.4 | 148.1 | 147.7 | 147.5 | 147.3 |
| 42.5° | 133.4 | 132.3 | 132.9 | 132.4 | 132.9 | 132.6 | 132.1 | 132.4 | 132.5 | 132.1 | 132.0 |
| 45°   | 117.9 | 118.1 | 118.3 | 118.0 | 118.0 | 117.7 | 118.5 | 118.0 | 118.0 | 118.1 | 117.4 |
| 47.5° | 105.4 | 105.1 | 105.3 | 105.1 | 105.2 | 105.0 | 105.2 | 105.3 | 105.1 | 105.1 | 104.5 |
| 50°   | 93.6  | 93.4  | 94.1  | 93.5  | 93.5  | 93.4  | 93.5  | 93.3  | 93.0  | 93.0  | 93.2  |
| 52.5° | 83.3  | 82.9  | 82.8  | 83.3  | 82.6  | 82.6  | 82.7  | 82.5  | 82.1  | 81.9  | 81.4  |
| 55°   | 73.7  | 73.6  | 73.7  | 73.3  | 73.1  | 73.1  | 72.6  | 72.4  | 72.3  | 71.8  | 71.5  |
| 57.5° | 64.9  | 64.6  | 64.7  | 64.6  | 64.1  | 64.0  | 63.6  | 63.6  | 63.2  | 62.8  | 62.3  |
| 60°   | 56.4  | 56.4  | 56.7  | 56.3  | 55.9  | 55.7  | 55.5  | 55.3  | 54.6  | 53.9  | 53.3  |
| 62.5° | 48.8  | 48.9  | 48.8  | 48.5  | 48.3  | 48.1  | 47.9  | 47.2  | 46.6  | 46.2  | 45.5  |
| 65°   | 42.2  | 42.1  | 41.7  | 41.5  | 41.0  | 41.0  | 40.6  | 40.3  | 39.6  | 39.0  | 38.2  |
| 67.5° | 35.3  | 35.1  | 35.1  | 35.1  | 34.5  | 34.4  | 34.2  | 33.6  | 33.0  | 32.1  | 31.5  |
| 70°   | 29.1  | 29.3  | 29.0  | 28.7  | 28.4  | 28.3  | 28.0  | 27.4  | 26.7  | 25.8  | 25.3  |
| 72.5° | 23.2  | 23.4  | 23.1  | 23.0  | 22.4  | 22.2  | 22.1  | 21.6  | 20.8  | 20.2  | 19.3  |
| 75°   | 17.8  | 17.9  | 17.7  | 17.5  | 17.1  | 17.0  | 16.5  | 16.1  | 15.6  | 14.7  | 13.9  |
| 77.5° | 12.8  | 12.6  | 12.6  | 12.2  | 11.8  | 11.8  | 11.7  | 11.1  | 10.4  | 9.8   | 9.2   |
| 80°   | 8.1   | 8.0   | 7.7   | 7.5   | 7.2   | 7.1   | 7.0   | 6.5   | 6.0   | 5.6   | 5.2   |
| 82.5° | 4.2   | 4.1   | 4.0   | 3.9   | 3.7   | 3.5   | 3.6   | 3.2   | 2.9   | 2.4   | 2.1   |
| 85°   | 1.2   | 1.3   | 1.3   | 1.2   | 1.1   | 1.1   | 1.1   | 1.0   | 0.8   | 0.7   | 0.6   |
| 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   |



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**CANDELA DISTRIBUTION (continued):**

|       | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 275.9 | 275.9 | 275.9 | 275.9 | 275.9 | 275.9 | 275.9 | 275.9 | 275.9 | 275.9 | 275.9 |
| 2.5°  | 274.9 | 275.1 | 275.2 | 275.3 | 275.3 | 275.4 | 275.5 | 275.6 | 275.7 | 275.7 | 275.8 |
| 5°    | 274.7 | 274.9 | 274.9 | 275.1 | 275.1 | 275.1 | 275.2 | 275.2 | 275.2 | 275.2 | 275.3 |
| 7.5°  | 274.8 | 274.8 | 274.8 | 274.7 | 274.7 | 274.6 | 274.6 | 274.6 | 274.4 | 274.4 | 274.4 |
| 10°   | 274.3 | 274.2 | 274.1 | 273.9 | 273.8 | 273.7 | 273.5 | 273.3 | 273.1 | 273.0 | 272.8 |
| 12.5° | 273.3 | 272.9 | 272.5 | 272.1 | 271.9 | 271.8 | 271.3 | 271.0 | 270.7 | 270.4 | 270.2 |
| 15°   | 271.2 | 270.6 | 269.9 | 269.0 | 268.8 | 268.6 | 267.9 | 267.3 | 266.9 | 266.6 | 266.1 |
| 17.5° | 267.1 | 265.9 | 265.0 | 263.8 | 263.3 | 263.0 | 261.9 | 261.3 | 260.6 | 260.4 | 259.9 |
| 20°   | 259.7 | 258.6 | 257.0 | 255.9 | 255.3 | 254.7 | 253.7 | 252.9 | 252.1 | 252.1 | 251.6 |
| 22.5° | 250.5 | 249.1 | 247.1 | 245.7 | 245.6 | 244.3 | 243.5 | 242.5 | 242.2 | 241.6 | 241.6 |
| 25°   | 238.9 | 237.6 | 235.5 | 234.3 | 233.7 | 233.3 | 231.9 | 230.7 | 230.1 | 229.6 | 230.0 |
| 27.5° | 226.0 | 224.2 | 222.6 | 220.9 | 220.4 | 219.8 | 218.6 | 218.1 | 217.0 | 216.9 | 216.8 |
| 30°   | 211.4 | 209.4 | 207.8 | 207.1 | 206.1 | 205.6 | 204.7 | 203.9 | 203.5 | 203.5 | 203.3 |
| 32.5° | 195.9 | 194.3 | 193.5 | 191.8 | 191.3 | 190.6 | 190.0 | 189.4 | 189.6 | 189.4 | 189.5 |
| 35°   | 179.2 | 178.8 | 177.3 | 176.4 | 176.4 | 176.2 | 175.2 | 174.8 | 174.6 | 174.7 | 175.2 |
| 37.5° | 163.4 | 162.1 | 161.1 | 160.5 | 161.0 | 160.4 | 160.3 | 160.3 | 160.9 | 160.5 | 161.3 |
| 40°   | 146.5 | 146.4 | 146.0 | 146.2 | 146.3 | 145.6 | 145.8 | 145.9 | 146.3 | 147.1 | 147.2 |
| 42.5° | 131.8 | 131.7 | 131.7 | 131.7 | 131.4 | 131.0 | 131.4 | 132.2 | 132.1 | 132.7 | 133.3 |
| 45°   | 117.6 | 117.4 | 117.8 | 117.5 | 118.1 | 118.3 | 118.0 | 118.2 | 118.8 | 119.2 | 120.0 |
| 47.5° | 104.7 | 104.7 | 104.8 | 105.0 | 104.4 | 104.9 | 105.1 | 105.5 | 105.8 | 106.0 | 106.4 |
| 50°   | 92.7  | 92.7  | 92.5  | 92.5  | 92.5  | 92.8  | 92.3  | 92.9  | 93.0  | 93.8  | 94.3  |
| 52.5° | 81.6  | 81.0  | 81.4  | 81.1  | 80.7  | 80.5  | 80.7  | 80.8  | 81.5  | 81.7  | 82.3  |
| 55°   | 71.0  | 71.0  | 70.2  | 69.9  | 70.3  | 70.2  | 70.1  | 70.1  | 70.4  | 70.7  | 71.2  |
| 57.5° | 61.6  | 61.0  | 60.4  | 60.3  | 60.0  | 60.1  | 60.1  | 60.0  | 59.8  | 59.9  | 60.0  |
| 60°   | 52.8  | 52.4  | 51.5  | 51.5  | 51.4  | 51.3  | 50.8  | 50.7  | 50.1  | 50.2  | 49.8  |
| 62.5° | 44.8  | 44.6  | 43.3  | 42.9  | 42.9  | 42.6  | 42.1  | 41.9  | 41.2  | 41.2  | 40.8  |
| 65°   | 37.5  | 36.9  | 36.1  | 35.4  | 35.4  | 35.0  | 34.7  | 33.8  | 33.3  | 33.0  | 32.3  |
| 67.5° | 30.9  | 29.9  | 29.2  | 28.6  | 28.2  | 28.1  | 27.4  | 26.8  | 25.9  | 25.4  | 24.4  |
| 70°   | 24.4  | 23.7  | 23.0  | 22.4  | 22.0  | 21.6  | 20.9  | 19.9  | 19.2  | 18.3  | 17.7  |
| 72.5° | 18.4  | 17.8  | 17.2  | 16.4  | 15.9  | 15.6  | 14.9  | 13.9  | 12.9  | 12.3  | 11.5  |
| 75°   | 13.2  | 12.5  | 11.7  | 11.0  | 10.7  | 10.4  | 9.6   | 9.0   | 8.1   | 7.4   | 6.6   |
| 77.5° | 8.6   | 7.7   | 7.1   | 6.3   | 6.2   | 6.0   | 5.2   | 4.6   | 4.1   | 3.7   | 3.2   |
| 80°   | 4.6   | 4.2   | 3.7   | 3.2   | 2.9   | 2.5   | 2.1   | 1.8   | 1.5   | 1.2   | 1.0   |
| 82.5° | 1.9   | 1.6   | 1.3   | 1.1   | 1.0   | 0.9   | 0.7   | 0.6   | 0.5   | 0.5   | 0.4   |
| 85°   | 0.5   | 0.4   | 0.4   | 0.3   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.1   | 0.0   | 0.1   | 0.1   | 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°    | 275.9 | 275.9 | 275.9 | 275.9  | 275.9 | 275.9 | 275.9 | 275.9 | 275.9 | 275.9 | 275.9 |
| 2.5°  | 275.9 | 276.0 | 276.1 | 276.1  | 276.2 | 276.3 | 276.3 | 276.4 | 276.5 | 276.6 | 276.6 |
| 5°    | 275.4 | 275.4 | 275.4 | 275.5  | 275.5 | 275.5 | 275.5 | 275.7 | 275.7 | 275.8 | 275.9 |
| 7.5°  | 274.3 | 274.3 | 274.3 | 274.3  | 274.2 | 274.3 | 274.2 | 274.2 | 274.4 | 274.5 | 274.6 |
| 10°   | 272.7 | 272.6 | 272.6 | 272.5  | 272.5 | 272.5 | 272.6 | 272.7 | 272.8 | 272.9 | 273.2 |
| 12.5° | 270.1 | 270.0 | 270.0 | 269.9  | 269.9 | 270.0 | 270.1 | 270.3 | 270.7 | 270.9 | 271.3 |
| 15°   | 266.0 | 265.9 | 266.0 | 266.1  | 266.3 | 266.6 | 266.9 | 267.2 | 267.8 | 268.3 | 268.8 |
| 17.5° | 259.9 | 260.0 | 260.1 | 260.4  | 260.7 | 261.1 | 261.9 | 262.7 | 263.5 | 264.3 | 265.1 |
| 20°   | 251.7 | 252.1 | 252.2 | 252.9  | 253.1 | 254.0 | 255.0 | 256.2 | 257.4 | 258.4 | 259.5 |
| 22.5° | 241.7 | 242.0 | 242.4 | 243.2  | 243.8 | 245.0 | 246.2 | 247.6 | 248.8 | 250.2 | 251.9 |
| 25°   | 230.4 | 230.5 | 231.7 | 231.7  | 233.0 | 234.1 | 235.4 | 236.9 | 238.8 | 240.6 | 241.7 |
| 27.5° | 217.6 | 218.1 | 219.0 | 219.4  | 220.3 | 222.1 | 223.2 | 225.0 | 226.9 | 228.5 | 229.7 |
| 30°   | 204.1 | 204.6 | 206.1 | 206.3  | 207.0 | 208.4 | 210.1 | 211.8 | 213.2 | 214.9 | 216.2 |
| 32.5° | 189.9 | 191.0 | 191.9 | 192.7  | 192.9 | 195.1 | 195.9 | 197.1 | 198.9 | 200.6 | 201.7 |
| 35°   | 176.1 | 176.7 | 178.0 | 178.4  | 179.0 | 180.2 | 182.0 | 183.0 | 183.8 | 184.9 | 186.2 |
| 37.5° | 161.5 | 163.1 | 163.4 | 164.6  | 164.8 | 166.0 | 166.8 | 168.0 | 169.1 | 170.1 | 170.3 |
| 40°   | 147.9 | 148.5 | 149.6 | 149.9  | 150.1 | 151.7 | 152.7 | 153.0 | 153.5 | 154.5 | 155.7 |
| 42.5° | 134.2 | 134.7 | 135.9 | 135.6  | 136.5 | 137.3 | 137.8 | 139.1 | 139.6 | 139.9 | 139.9 |
| 45°   | 120.6 | 120.8 | 121.7 | 122.1  | 122.6 | 123.0 | 123.9 | 124.5 | 124.7 | 125.6 | 126.0 |
| 47.5° | 107.6 | 107.8 | 108.4 | 109.2  | 108.9 | 109.6 | 110.6 | 110.9 | 111.0 | 111.6 | 111.9 |
| 50°   | 94.9  | 95.4  | 96.2  | 96.0   | 96.6  | 96.9  | 97.9  | 98.2  | 98.2  | 98.3  | 98.4  |
| 52.5° | 83.0  | 83.4  | 83.6  | 83.8   | 84.1  | 84.6  | 85.0  | 84.8  | 85.2  | 85.6  | 85.3  |
| 55°   | 71.2  | 71.5  | 72.0  | 72.2   | 72.2  | 72.3  | 72.1  | 73.0  | 72.6  | 72.5  | 72.6  |
| 57.5° | 60.4  | 60.0  | 59.9  | 60.4   | 60.6  | 60.5  | 60.2  | 60.6  | 60.6  | 60.4  | 60.1  |
| 60°   | 49.9  | 49.6  | 49.5  | 49.6   | 49.2  | 48.9  | 49.1  | 48.9  | 48.4  | 48.2  | 48.3  |
| 62.5° | 40.4  | 40.1  | 39.3  | 39.3   | 39.1  | 39.0  | 38.1  | 38.2  | 37.8  | 37.2  | 37.4  |
| 65°   | 31.6  | 30.7  | 30.3  | 30.2   | 29.5  | 28.9  | 28.7  | 28.0  | 27.4  | 27.3  | 27.4  |
| 67.5° | 23.7  | 22.8  | 22.1  | 21.8   | 21.4  | 20.9  | 20.1  | 19.4  | 19.7  | 19.5  | 20.0  |
| 70°   | 16.5  | 15.9  | 15.2  | 14.6   | 14.9  | 14.2  | 13.7  | 13.7  | 13.8  | 13.9  | 14.2  |
| 72.5° | 11.0  | 10.2  | 9.9   | 9.6    | 9.4   | 9.0   | 9.2   | 9.2   | 9.1   | 9.2   | 9.0   |
| 75°   | 6.2   | 5.8   | 5.5   | 5.4    | 5.2   | 5.2   | 5.2   | 5.2   | 5.1   | 5.0   | 5.0   |
| 77.5° | 2.7   | 2.5   | 2.4   | 2.3    | 2.3   | 2.3   | 2.2   | 2.1   | 2.1   | 2.1   | 2.0   |
| 80°   | 0.9   | 0.9   | 0.9   | 0.9    | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   |
| 82.5° | 0.4   | 0.4   | 0.5   | 0.5    | 0.5   | 0.4   | 0.5   | 0.5   | 0.4   | 0.4   | 0.5   |
| 85°   | 0.2   | 0.2   | 0.2   | 0.2    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 87.5° | 0.1   | 0.1   | 0.1   | 0.0    | 0.1   | 0.1   | 0.1   | 0.1   | 0.0   | 0.1   | 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: P858934

CATALOG NUMBER: LX4C05D010 EX4C059030 4LBLWW\*

**CANDELA DISTRIBUTION (continued):**

|       | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0°    | 275.9 | 275.9 | 275.9  | 275.9 | 275.9 | 275.9 | 275.9 | 275.9 |
| 2.5°  | 276.7 | 276.8 | 276.8  | 276.8 | 276.9 | 276.9 | 276.9 | 276.9 |
| 5°    | 276.0 | 276.1 | 276.1  | 276.1 | 276.2 | 276.2 | 276.2 | 276.2 |
| 7.5°  | 274.7 | 274.8 | 274.8  | 274.9 | 274.9 | 275.1 | 275.1 | 275.2 |
| 10°   | 273.3 | 273.5 | 273.6  | 273.7 | 273.8 | 273.9 | 273.9 | 274.0 |
| 12.5° | 271.8 | 272.0 | 272.1  | 272.3 | 272.5 | 272.6 | 272.7 | 272.8 |
| 15°   | 269.5 | 269.9 | 270.1  | 270.2 | 270.6 | 270.8 | 270.9 | 271.0 |
| 17.5° | 265.9 | 266.7 | 267.0  | 267.2 | 267.6 | 268.0 | 268.3 | 268.4 |
| 20°   | 260.7 | 261.6 | 262.0  | 262.5 | 263.1 | 263.7 | 263.9 | 264.1 |
| 22.5° | 253.4 | 254.4 | 255.1  | 255.7 | 256.2 | 256.7 | 257.6 | 257.2 |
| 25°   | 243.0 | 244.8 | 245.6  | 245.9 | 247.0 | 247.6 | 248.0 | 247.6 |
| 27.5° | 231.4 | 232.5 | 233.1  | 233.9 | 234.7 | 235.3 | 235.5 | 236.1 |
| 30°   | 217.5 | 219.2 | 219.1  | 219.8 | 220.8 | 221.5 | 221.7 | 222.3 |
| 32.5° | 202.9 | 203.7 | 204.5  | 204.4 | 204.8 | 205.9 | 205.5 | 206.4 |
| 35°   | 187.6 | 187.7 | 188.7  | 188.6 | 189.4 | 189.4 | 189.4 | 190.0 |
| 37.5° | 171.1 | 172.3 | 171.8  | 173.0 | 172.6 | 172.9 | 172.9 | 173.1 |
| 40°   | 156.0 | 156.4 | 156.4  | 156.9 | 157.2 | 156.9 | 157.1 | 157.6 |
| 42.5° | 140.5 | 140.9 | 141.0  | 140.8 | 141.1 | 142.0 | 141.3 | 141.9 |
| 45°   | 126.0 | 126.3 | 126.7  | 126.4 | 126.9 | 126.6 | 126.9 | 126.7 |
| 47.5° | 112.3 | 112.2 | 112.1  | 112.9 | 112.2 | 112.3 | 112.7 | 112.0 |
| 50°   | 98.4  | 99.0  | 98.6   | 98.9  | 99.1  | 99.1  | 98.8  | 98.8  |
| 52.5° | 85.9  | 85.7  | 85.4   | 85.7  | 85.5  | 85.6  | 85.9  | 85.6  |
| 55°   | 73.0  | 73.4  | 73.2   | 73.1  | 73.2  | 73.2  | 73.8  | 73.0  |
| 57.5° | 60.4  | 60.2  | 60.5   | 61.2  | 60.5  | 61.0  | 61.3  | 61.4  |
| 60°   | 48.4  | 48.4  | 49.0   | 48.7  | 49.3  | 49.8  | 50.2  | 50.0  |
| 62.5° | 36.9  | 37.4  | 37.6   | 37.7  | 38.3  | 38.8  | 38.8  | 38.7  |
| 65°   | 27.4  | 28.1  | 28.1   | 28.5  | 28.7  | 28.7  | 28.9  | 29.3  |
| 67.5° | 20.2  | 20.2  | 20.3   | 20.5  | 20.4  | 20.4  | 20.6  | 20.8  |
| 70°   | 14.1  | 13.8  | 14.2   | 14.1  | 14.1  | 13.9  | 14.1  | 14.1  |
| 72.5° | 9.0   | 9.0   | 9.1    | 9.0   | 8.7   | 8.8   | 8.8   | 9.1   |
| 75°   | 4.8   | 5.0   | 4.8    | 4.8   | 4.9   | 4.7   | 4.8   | 4.9   |
| 77.5° | 1.9   | 1.9   | 1.9    | 1.9   | 1.9   | 1.8   | 1.8   | 1.8   |
| 80°   | 0.9   | 0.9   | 0.9    | 0.9   | 0.9   | 0.9   | 0.8   | 0.8   |
| 82.5° | 0.4   | 0.5   | 0.4    | 0.5   | 0.4   | 0.4   | 0.4   | 0.4   |
| 85°   | 0.2   | 0.2   | 0.2    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 87.5° | 0.0   | 0.1   | 0.0    | 0.1   | 0.0   | 0.0   | 0.0   | 0.1   |
| 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)