

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: P859815

Luminaire Tested: **LX4C08D010 EX4C089030 4LBLWWH**

Issue Date: 2/14/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859815  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/14/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C08D010 EX4C089030 4LBLWWH  
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND  
4LRLWW TRIM WITH H FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver: -

**Summary**

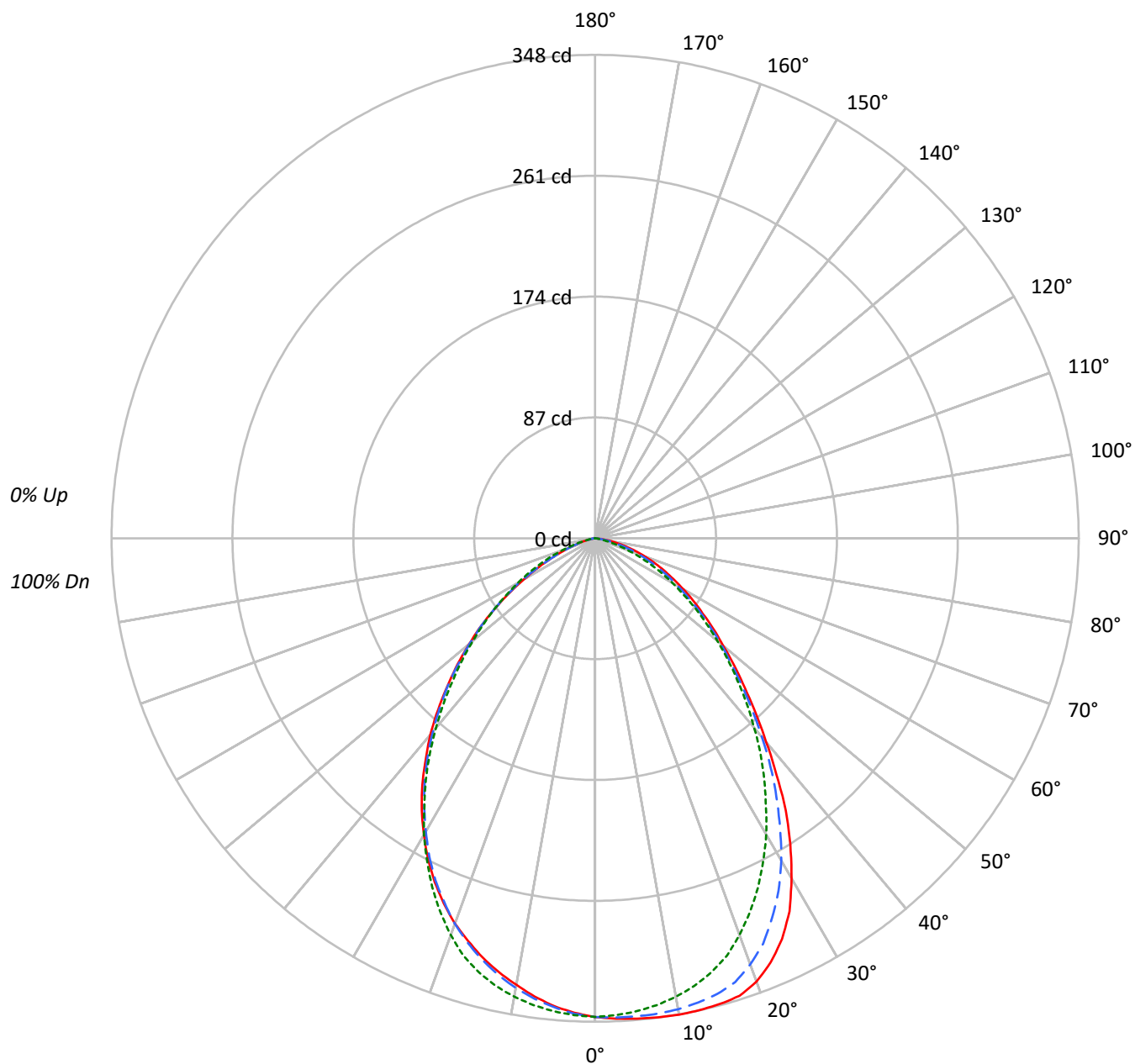
Lumens per Lamp: N/A  
Luminaire Lumens: 649.4 lumens  
Efficiency: N/A  
Efficacy: 60.7 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.09 / 1.17  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 10.7  
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

TEST NUMBER: P859815

CATALOG NUMBER: LX4C08D010 EX4C089030 4LBLWWH

### Luminous Intensity Polar Plot





TEST NUMBER: P859815

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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 | 108 | 105 | 102 | 99  | 101 | 98  | 96  |  | 97  | 95  | 93  |  | 94  |
| 2   | 103 | 96  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 86  | 83  |  | 88  | 84  | 81  |  | 85  |
| 3   | 95  | 86  | 79  | 74  | 93  | 85  | 78  | 73  | 82  | 76  | 72  |  | 79  | 75  | 71  |  | 77  |
| 4   | 88  | 78  | 70  | 64  | 86  | 77  | 69  | 64  | 74  | 68  | 63  |  | 72  | 67  | 62  |  | 70  |
| 5   | 82  | 71  | 63  | 57  | 80  | 69  | 62  | 57  | 67  | 61  | 56  |  | 66  | 60  | 55  |  | 64  |
| 6   | 76  | 64  | 56  | 51  | 74  | 63  | 56  | 50  | 62  | 55  | 50  |  | 60  | 54  | 50  |  | 59  |
| 7   | 71  | 59  | 51  | 46  | 69  | 58  | 51  | 45  | 57  | 50  | 45  |  | 55  | 49  | 45  |  | 54  |
| 8   | 67  | 54  | 47  | 41  | 65  | 54  | 46  | 41  | 52  | 46  | 41  |  | 51  | 45  | 41  |  | 50  |
| 9   | 62  | 50  | 43  | 38  | 61  | 50  | 42  | 37  | 49  | 42  | 37  |  | 47  | 41  | 37  |  | 47  |
| 10  | 59  | 47  | 39  | 34  | 58  | 46  | 39  | 34  | 45  | 39  | 34  |  | 44  | 38  | 34  |  | 43  |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 42335 | 42335 | 42335 |
| 5°  | 42805 | 42152 | 41695 |
| 10° | 43437 | 41803 | 40730 |
| 15° | 44147 | 41132 | 39759 |
| 20° | 44412 | 39731 | 38581 |
| 25° | 43147 | 37589 | 37006 |
| 30° | 40104 | 34940 | 34954 |
| 35° | 35889 | 31840 | 32530 |
| 40° | 30728 | 28547 | 29589 |
| 45° | 26461 | 25158 | 26096 |
| 50° | 22992 | 21903 | 22572 |
| 55° | 20241 | 18849 | 18677 |
| 60° | 17986 | 15725 | 14497 |
| 65° | 15785 | 12587 | 10465 |
| 70° | 13542 | 8872  | 7076  |
| 75° | 11012 | 5126  | 4130  |
| 80° | 7853  | 2264  | 1981  |
| 85° | 2960  | 987   | 987   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 32.5   | 5.0       |
| 10°-20°   | 91.9   | 14.2      |
| 20°-30°   | 131.3  | 20.2      |
| 30°-40°   | 137.3  | 21.1      |
| 40°-50°   | 115.1  | 17.7      |
| 50°-60°   | 80.5   | 12.4      |
| 60°-70°   | 43.8   | 6.8       |
| 70°-80°   | 15.2   | 2.3       |
| 80°-90°   | 1.7    | 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°    | 255.7  | 39.4      |
| 0°-40°    | 393.0  | 60.5      |
| 0°-60°    | 588.6  | 90.6      |
| 0°-90°    | 649.4  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 649.4  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 345 | 345 | 345 | 345  | 345  |      |
| 5°  | 347 | 345 | 342 | 339  | 338  | 33   |
| 15° | 347 | 340 | 323 | 314  | 313  | 98   |
| 25° | 318 | 301 | 277 | 272  | 273  | 145  |
| 35° | 239 | 228 | 212 | 214  | 217  | 148  |
| 45° | 152 | 149 | 145 | 150  | 150  | 118  |
| 55° | 94  | 91  | 88  | 88   | 87   | 85   |
| 65° | 54  | 50  | 43  | 36   | 36   | 54   |
| 75° | 23  | 19  | 11  | 9    | 9    | 25   |
| 85° | 2   | 1   | 1   | 1    | 1    | 4    |
| 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°    | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 |
| 2.5°  | 346.2 | 345.7 | 345.9 | 345.9 | 345.9 | 345.7 | 345.9 | 345.7 | 345.7 | 345.6 | 345.3 |
| 5°    | 347.1 | 346.9 | 346.9 | 346.9 | 346.8 | 346.6 | 346.6 | 346.5 | 346.2 | 346.1 | 345.4 |
| 7.5°  | 347.8 | 347.5 | 347.5 | 347.4 | 347.2 | 347.1 | 346.9 | 346.6 | 346.2 | 345.9 | 345.2 |
| 10°   | 348.2 | 347.8 | 347.8 | 347.5 | 347.2 | 347.1 | 346.9 | 346.4 | 345.7 | 345.0 | 344.2 |
| 12.5° | 347.9 | 347.5 | 347.4 | 347.1 | 346.6 | 346.4 | 346.1 | 345.3 | 344.4 | 343.5 | 342.3 |
| 15°   | 347.1 | 346.9 | 346.6 | 346.2 | 345.4 | 345.0 | 344.9 | 343.8 | 342.6 | 341.3 | 339.7 |
| 17.5° | 345.4 | 345.0 | 344.6 | 344.0 | 343.1 | 342.8 | 342.1 | 340.8 | 339.0 | 337.2 | 335.0 |
| 20°   | 339.7 | 339.5 | 339.0 | 338.1 | 336.7 | 336.1 | 335.2 | 333.4 | 331.2 | 329.0 | 326.5 |
| 22.5° | 330.4 | 330.0 | 329.3 | 328.4 | 327.1 | 326.1 | 325.4 | 323.0 | 320.4 | 318.1 | 315.8 |
| 25°   | 318.3 | 318.0 | 316.9 | 315.8 | 314.4 | 312.9 | 312.1 | 310.2 | 307.8 | 304.7 | 301.4 |
| 27.5° | 302.8 | 301.5 | 301.1 | 300.0 | 297.9 | 297.4 | 296.2 | 293.9 | 291.4 | 288.8 | 286.0 |
| 30°   | 282.7 | 282.7 | 281.9 | 281.4 | 279.4 | 279.0 | 277.6 | 275.2 | 273.7 | 270.1 | 267.9 |
| 32.5° | 261.4 | 261.1 | 260.4 | 260.0 | 259.0 | 258.0 | 256.7 | 255.4 | 252.5 | 250.5 | 247.7 |
| 35°   | 239.3 | 237.7 | 238.0 | 237.2 | 236.6 | 235.5 | 235.4 | 234.0 | 231.2 | 230.2 | 227.5 |
| 37.5° | 214.3 | 213.6 | 214.5 | 213.4 | 212.7 | 212.9 | 211.8 | 210.9 | 209.7 | 207.9 | 207.4 |
| 40°   | 191.6 | 192.3 | 192.0 | 190.9 | 191.5 | 190.8 | 189.8 | 188.8 | 188.4 | 187.2 | 186.7 |
| 42.5° | 171.3 | 170.6 | 170.3 | 170.3 | 170.5 | 170.5 | 169.9 | 169.2 | 169.2 | 168.0 | 166.9 |
| 45°   | 152.3 | 152.3 | 152.0 | 152.8 | 151.7 | 151.7 | 151.3 | 151.1 | 150.5 | 150.2 | 148.8 |
| 47.5° | 135.9 | 135.7 | 135.6 | 135.5 | 135.3 | 135.3 | 134.5 | 133.9 | 133.8 | 132.9 | 132.1 |
| 50°   | 120.3 | 121.1 | 120.8 | 120.2 | 119.9 | 120.1 | 119.5 | 119.1 | 119.0 | 117.7 | 117.8 |
| 52.5° | 107.3 | 107.2 | 107.4 | 107.1 | 106.4 | 106.6 | 106.0 | 105.5 | 105.0 | 104.3 | 103.8 |
| 55°   | 94.5  | 95.2  | 94.9  | 94.5  | 94.3  | 94.1  | 93.7  | 93.1  | 92.9  | 91.4  | 91.3  |
| 57.5° | 83.8  | 83.6  | 83.4  | 82.7  | 82.5  | 82.2  | 82.2  | 81.7  | 80.9  | 80.1  | 79.4  |
| 60°   | 73.2  | 73.2  | 72.8  | 72.7  | 72.2  | 72.1  | 72.0  | 71.4  | 70.6  | 69.9  | 68.8  |
| 62.5° | 63.2  | 63.5  | 63.2  | 62.9  | 62.5  | 61.8  | 61.6  | 61.2  | 60.4  | 59.8  | 58.9  |
| 65°   | 54.3  | 54.2  | 54.1  | 53.5  | 53.4  | 52.9  | 52.8  | 52.0  | 51.2  | 50.7  | 49.5  |
| 67.5° | 45.9  | 45.4  | 45.4  | 45.3  | 45.0  | 44.6  | 44.2  | 43.5  | 42.5  | 42.0  | 41.0  |
| 70°   | 37.7  | 37.5  | 37.5  | 37.5  | 36.8  | 36.4  | 36.3  | 35.9  | 34.6  | 34.0  | 33.0  |
| 72.5° | 30.3  | 30.2  | 30.0  | 29.7  | 29.3  | 29.3  | 28.8  | 28.0  | 27.4  | 26.7  | 25.8  |
| 75°   | 23.2  | 23.5  | 23.2  | 22.7  | 22.5  | 22.2  | 21.9  | 21.2  | 20.5  | 19.7  | 18.8  |
| 77.5° | 17.0  | 16.7  | 16.5  | 16.5  | 16.2  | 15.7  | 15.5  | 15.0  | 14.2  | 13.6  | 12.7  |
| 80°   | 11.1  | 11.0  | 10.7  | 10.5  | 10.4  | 10.3  | 10.1  | 9.6   | 8.7   | 8.3   | 7.5   |
| 82.5° | 6.1   | 6.0   | 6.0   | 5.8   | 5.4   | 5.4   | 5.3   | 4.8   | 4.4   | 4.2   | 3.7   |
| 85°   | 2.1   | 2.1   | 2.1   | 2.0   | 2.0   | 2.0   | 1.8   | 1.7   | 1.5   | 1.4   | 1.1   |
| 87.5° | 0.3   | 0.1   | 0.3   | 0.1   | 0.3   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   |
| 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°    | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 |
| 2.5°  | 345.0 | 344.9 | 344.7 | 344.6 | 344.4 | 344.3 | 344.2 | 343.9 | 343.8 | 343.6 | 343.3 |
| 5°    | 345.0 | 344.6 | 344.3 | 343.9 | 343.6 | 343.3 | 343.0 | 342.6 | 342.2 | 341.8 | 341.4 |
| 7.5°  | 344.6 | 343.8 | 343.2 | 342.5 | 342.2 | 341.8 | 341.1 | 340.5 | 339.7 | 339.0 | 338.1 |
| 10°   | 343.2 | 342.3 | 341.3 | 340.3 | 339.7 | 339.1 | 338.1 | 337.2 | 336.1 | 335.1 | 334.0 |
| 12.5° | 341.1 | 339.6 | 338.3 | 336.9 | 336.1 | 335.4 | 333.9 | 332.6 | 331.4 | 330.1 | 328.6 |
| 15°   | 337.9 | 336.2 | 334.6 | 332.5 | 331.5 | 330.8 | 328.7 | 327.1 | 325.0 | 323.4 | 321.7 |
| 17.5° | 332.8 | 330.1 | 327.9 | 325.5 | 324.2 | 323.3 | 321.4 | 318.9 | 316.9 | 315.1 | 313.3 |
| 20°   | 323.9 | 321.4 | 318.5 | 315.7 | 314.2 | 313.0 | 310.3 | 307.8 | 305.8 | 303.9 | 301.9 |
| 22.5° | 312.2 | 309.0 | 306.9 | 303.5 | 302.3 | 300.8 | 297.6 | 295.3 | 293.0 | 291.1 | 289.3 |
| 25°   | 298.0 | 295.3 | 292.3 | 289.2 | 287.7 | 286.0 | 283.3 | 280.8 | 279.3 | 277.3 | 275.1 |
| 27.5° | 281.8 | 279.4 | 275.9 | 273.2 | 271.6 | 270.4 | 267.8 | 265.6 | 263.5 | 261.9 | 259.9 |
| 30°   | 264.5 | 261.8 | 258.7 | 255.8 | 255.0 | 253.4 | 251.1 | 249.4 | 247.2 | 246.3 | 245.3 |
| 32.5° | 245.6 | 242.5 | 240.2 | 238.3 | 236.7 | 235.4 | 234.2 | 231.4 | 230.9 | 228.7 | 228.4 |
| 35°   | 224.9 | 223.6 | 221.3 | 219.7 | 218.4 | 217.5 | 215.4 | 214.1 | 212.7 | 212.3 | 211.4 |
| 37.5° | 205.5 | 203.8 | 201.7 | 200.2 | 199.4 | 199.2 | 197.7 | 196.9 | 195.9 | 195.4 | 194.3 |
| 40°   | 185.0 | 184.4 | 182.6 | 182.3 | 180.8 | 180.7 | 179.8 | 178.8 | 178.0 | 178.0 | 178.1 |
| 42.5° | 166.2 | 165.4 | 164.6 | 163.7 | 163.0 | 163.0 | 162.4 | 162.2 | 161.9 | 161.5 | 162.2 |
| 45°   | 148.5 | 147.5 | 147.0 | 146.0 | 146.4 | 145.7 | 145.4 | 145.4 | 145.0 | 144.8 | 145.9 |
| 47.5° | 132.1 | 130.9 | 130.4 | 130.2 | 130.2 | 130.3 | 129.1 | 129.5 | 129.4 | 129.6 | 130.0 |
| 50°   | 117.1 | 116.1 | 115.2 | 115.2 | 115.5 | 114.9 | 114.4 | 114.8 | 114.4 | 114.6 | 115.6 |
| 52.5° | 103.2 | 102.1 | 101.7 | 101.7 | 101.0 | 100.9 | 101.1 | 100.6 | 100.7 | 100.9 | 101.4 |
| 55°   | 90.3  | 89.7  | 89.1  | 88.4  | 88.5  | 88.2  | 87.8  | 87.7  | 87.9  | 88.0  | 88.7  |
| 57.5° | 78.8  | 77.9  | 77.0  | 76.7  | 76.4  | 76.4  | 75.8  | 75.7  | 76.0  | 75.3  | 75.3  |
| 60°   | 67.8  | 67.3  | 66.1  | 65.7  | 65.7  | 65.0  | 64.6  | 64.8  | 64.2  | 64.0  | 64.2  |
| 62.5° | 57.7  | 57.2  | 56.5  | 55.6  | 55.3  | 55.1  | 54.5  | 54.2  | 53.9  | 53.4  | 52.6  |
| 65°   | 48.8  | 47.8  | 46.9  | 46.4  | 46.0  | 45.4  | 45.0  | 44.3  | 43.5  | 43.3  | 42.5  |
| 67.5° | 39.9  | 39.0  | 38.0  | 37.6  | 37.2  | 36.8  | 36.1  | 35.6  | 34.6  | 33.6  | 32.6  |
| 70°   | 32.0  | 30.9  | 30.3  | 29.3  | 29.0  | 28.5  | 27.6  | 26.9  | 26.0  | 24.7  | 23.9  |
| 72.5° | 24.5  | 23.7  | 22.9  | 22.1  | 21.4  | 21.0  | 20.1  | 19.0  | 18.1  | 17.4  | 16.5  |
| 75°   | 17.6  | 17.2  | 16.2  | 15.1  | 14.9  | 14.3  | 13.4  | 12.7  | 11.9  | 10.8  | 10.1  |
| 77.5° | 11.9  | 11.1  | 10.5  | 9.6   | 9.3   | 8.7   | 8.2   | 7.5   | 7.0   | 6.4   | 5.8   |
| 80°   | 7.0   | 6.4   | 6.0   | 5.3   | 5.0   | 4.8   | 4.4   | 3.9   | 3.5   | 3.2   | 3.1   |
| 82.5° | 3.5   | 2.8   | 2.8   | 2.4   | 2.2   | 2.1   | 1.8   | 1.7   | 1.4   | 1.4   | 1.4   |
| 85°   | 1.1   | 1.0   | 1.0   | 0.8   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   |
| 87.5° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.3   | 0.1   |
| 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°    | 344.6 | 344.6 | 344.6 | 344.6  | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 |
| 2.5°  | 343.2 | 343.1 | 343.0 | 342.9  | 342.9 | 342.8 | 342.8 | 342.6 | 342.6 | 342.5 | 342.5 |
| 5°    | 340.9 | 340.5 | 340.3 | 339.9  | 339.9 | 339.5 | 339.2 | 339.0 | 338.9 | 338.9 | 338.6 |
| 7.5°  | 337.5 | 337.1 | 336.5 | 336.1  | 336.0 | 335.3 | 334.8 | 334.8 | 334.3 | 333.9 | 333.6 |
| 10°   | 333.2 | 332.2 | 331.4 | 331.1  | 330.5 | 330.1 | 329.5 | 329.1 | 328.7 | 327.9 | 327.8 |
| 12.5° | 327.2 | 326.5 | 325.4 | 324.8  | 324.6 | 323.7 | 322.8 | 322.1 | 322.0 | 321.5 | 321.1 |
| 15°   | 320.4 | 319.0 | 318.0 | 317.3  | 317.3 | 315.9 | 315.4 | 314.6 | 314.1 | 313.7 | 313.6 |
| 17.5° | 311.8 | 310.2 | 309.2 | 308.2  | 308.0 | 306.9 | 306.2 | 305.9 | 305.2 | 305.5 | 304.8 |
| 20°   | 300.5 | 299.3 | 298.5 | 297.2  | 297.2 | 296.6 | 296.4 | 295.7 | 295.4 | 295.1 | 295.4 |
| 22.5° | 288.4 | 287.0 | 285.5 | 285.4  | 285.4 | 284.6 | 284.4 | 284.3 | 283.7 | 284.1 | 284.0 |
| 25°   | 274.2 | 273.2 | 272.3 | 272.2  | 272.2 | 271.6 | 271.2 | 271.5 | 271.8 | 271.6 | 272.1 |
| 27.5° | 259.5 | 258.4 | 258.2 | 258.0  | 257.8 | 257.7 | 258.0 | 258.0 | 258.3 | 258.8 | 259.4 |
| 30°   | 243.6 | 243.3 | 242.9 | 242.8  | 242.5 | 243.2 | 243.4 | 243.8 | 243.7 | 244.5 | 245.0 |
| 32.5° | 227.6 | 227.1 | 227.0 | 227.2  | 227.6 | 227.5 | 228.4 | 228.7 | 229.0 | 229.8 | 230.2 |
| 35°   | 211.6 | 211.6 | 211.3 | 211.3  | 211.4 | 212.4 | 212.4 | 213.4 | 213.9 | 214.1 | 215.2 |
| 37.5° | 194.4 | 194.9 | 195.2 | 195.6  | 195.8 | 196.1 | 196.4 | 197.3 | 197.9 | 198.4 | 199.0 |
| 40°   | 178.7 | 178.4 | 179.5 | 178.8  | 179.0 | 180.2 | 180.8 | 180.7 | 181.5 | 182.3 | 182.7 |
| 42.5° | 161.8 | 162.2 | 162.4 | 162.8  | 163.4 | 163.5 | 164.2 | 165.2 | 165.4 | 166.3 | 166.6 |
| 45°   | 145.6 | 145.7 | 146.2 | 146.7  | 147.1 | 148.1 | 148.4 | 148.8 | 149.6 | 149.6 | 149.9 |
| 47.5° | 130.2 | 130.6 | 130.6 | 131.4  | 132.1 | 132.0 | 132.9 | 133.2 | 133.0 | 133.8 | 134.1 |
| 50°   | 115.5 | 116.3 | 116.1 | 116.7  | 117.0 | 117.0 | 117.8 | 118.1 | 117.5 | 118.2 | 118.4 |
| 52.5° | 101.4 | 101.7 | 102.3 | 102.4  | 102.1 | 102.8 | 102.6 | 103.1 | 103.0 | 103.4 | 103.0 |
| 55°   | 88.5  | 88.4  | 88.4  | 88.7   | 88.4  | 88.7  | 88.9  | 88.4  | 88.0  | 88.5  | 88.4  |
| 57.5° | 75.7  | 75.7  | 75.4  | 75.8   | 75.4  | 75.0  | 74.9  | 74.5  | 74.2  | 74.2  | 74.0  |
| 60°   | 63.6  | 63.4  | 62.9  | 62.8   | 62.8  | 62.0  | 61.7  | 61.2  | 61.2  | 60.7  | 60.2  |
| 62.5° | 52.4  | 51.7  | 51.3  | 51.3   | 51.1  | 50.4  | 49.2  | 48.4  | 48.1  | 47.4  | 47.2  |
| 65°   | 41.7  | 41.1  | 40.7  | 39.9   | 39.3  | 39.0  | 37.7  | 36.8  | 36.4  | 35.7  | 35.8  |
| 67.5° | 32.0  | 31.0  | 29.9  | 29.3   | 28.9  | 28.0  | 27.6  | 26.9  | 26.4  | 26.4  | 26.4  |
| 70°   | 23.1  | 22.2  | 21.0  | 20.5   | 20.3  | 19.5  | 19.0  | 18.9  | 19.3  | 19.2  | 19.3  |
| 72.5° | 15.5  | 14.5  | 14.0  | 13.8   | 13.5  | 13.1  | 13.4  | 13.5  | 13.2  | 13.4  | 13.5  |
| 75°   | 9.4   | 9.2   | 8.7   | 8.6    | 8.6   | 8.7   | 8.6   | 8.6   | 8.7   | 8.7   | 8.8   |
| 77.5° | 5.4   | 5.1   | 5.1   | 5.0    | 5.3   | 5.1   | 5.1   | 5.1   | 5.3   | 5.3   | 5.3   |
| 80°   | 2.8   | 2.8   | 2.8   | 2.8    | 3.1   | 2.8   | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   |
| 82.5° | 1.4   | 1.4   | 1.4   | 1.5    | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.4   |
| 85°   | 0.7   | 0.7   | 0.7   | 0.7    | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   |
| 87.5° | 0.1   | 0.3   | 0.3   | 0.3    | 0.3   | 0.3   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   |
| 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: P859815

CATALOG NUMBER: LX4C08D010 EX4C089030 4LBLWWH

**CANDELA DISTRIBUTION (continued):**

|       | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0°    | 344.6 | 344.6 | 344.6  | 344.6 | 344.6 | 344.6 | 344.6 | 344.6 |
| 2.5°  | 342.2 | 342.2 | 342.2  | 341.9 | 342.1 | 342.1 | 341.9 | 341.9 |
| 5°    | 338.5 | 338.3 | 338.1  | 338.1 | 337.8 | 338.1 | 337.9 | 338.1 |
| 7.5°  | 333.4 | 333.4 | 333.0  | 333.0 | 332.9 | 332.8 | 332.6 | 332.8 |
| 10°   | 327.5 | 327.5 | 327.2  | 327.1 | 327.2 | 326.7 | 326.7 | 326.5 |
| 12.5° | 320.8 | 320.6 | 320.3  | 320.4 | 320.3 | 319.9 | 319.8 | 319.9 |
| 15°   | 313.2 | 312.8 | 312.9  | 312.5 | 312.5 | 312.4 | 312.6 | 312.6 |
| 17.5° | 304.7 | 304.3 | 304.2  | 304.3 | 304.0 | 304.2 | 304.0 | 303.9 |
| 20°   | 295.3 | 295.1 | 295.1  | 294.7 | 294.8 | 294.7 | 294.8 | 295.1 |
| 22.5° | 284.4 | 284.3 | 284.4  | 284.0 | 284.3 | 284.3 | 284.7 | 284.7 |
| 25°   | 272.5 | 272.3 | 272.6  | 272.7 | 272.9 | 273.3 | 272.9 | 273.0 |
| 27.5° | 259.3 | 259.7 | 260.0  | 260.1 | 260.7 | 260.3 | 260.0 | 260.4 |
| 30°   | 245.9 | 245.9 | 245.8  | 246.3 | 246.6 | 247.0 | 246.4 | 246.4 |
| 32.5° | 230.5 | 231.1 | 231.1  | 231.2 | 231.6 | 231.6 | 231.6 | 232.2 |
| 35°   | 215.7 | 216.2 | 216.3  | 215.7 | 216.0 | 215.8 | 216.9 | 216.9 |
| 37.5° | 199.4 | 199.4 | 199.5  | 200.4 | 200.4 | 200.0 | 200.2 | 200.2 |
| 40°   | 183.7 | 183.8 | 183.3  | 183.5 | 184.2 | 184.0 | 184.2 | 184.5 |
| 42.5° | 166.6 | 167.5 | 167.0  | 167.2 | 167.1 | 167.2 | 167.3 | 167.3 |
| 45°   | 150.2 | 150.5 | 150.5  | 150.6 | 151.0 | 151.3 | 150.4 | 150.2 |
| 47.5° | 134.4 | 134.5 | 134.9  | 134.3 | 135.1 | 134.3 | 135.1 | 134.2 |
| 50°   | 118.4 | 118.8 | 118.5  | 118.8 | 118.4 | 118.4 | 118.2 | 118.1 |
| 52.5° | 103.1 | 103.0 | 103.0  | 102.8 | 102.8 | 103.1 | 102.8 | 103.2 |
| 55°   | 87.9  | 88.0  | 87.8   | 87.7  | 87.5  | 87.9  | 87.5  | 87.2  |
| 57.5° | 73.4  | 73.7  | 73.1   | 73.4  | 72.4  | 72.8  | 73.0  | 73.1  |
| 60°   | 60.0  | 59.6  | 59.6   | 59.1  | 59.1  | 59.5  | 59.0  | 59.0  |
| 62.5° | 46.5  | 46.8  | 46.4   | 46.9  | 46.9  | 47.4  | 47.2  | 47.4  |
| 65°   | 35.7  | 35.8  | 35.9   | 35.9  | 35.9  | 36.7  | 36.4  | 36.0  |
| 67.5° | 26.9  | 27.1  | 27.2   | 27.1  | 27.5  | 27.2  | 27.2  | 27.4  |
| 70°   | 19.5  | 19.6  | 19.7   | 19.7  | 19.6  | 19.7  | 19.7  | 19.7  |
| 72.5° | 13.5  | 13.6  | 13.5   | 13.6  | 13.8  | 13.6  | 13.6  | 13.8  |
| 75°   | 8.8   | 8.8   | 8.7    | 8.7   | 8.7   | 8.7   | 8.8   | 8.7   |
| 77.5° | 5.1   | 5.3   | 5.1    | 5.3   | 5.3   | 5.3   | 5.3   | 5.3   |
| 80°   | 3.1   | 3.1   | 3.1    | 2.8   | 3.1   | 3.1   | 3.1   | 2.8   |
| 82.5° | 1.5   | 1.5   | 1.4    | 1.4   | 1.5   | 1.5   | 1.5   | 1.5   |
| 85°   | 0.7   | 0.7   | 0.7    | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   |
| 87.5° | 0.1   | 0.1   | 0.1    | 0.1   | 0.1   | 0.1   | 0.1   | 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)