

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: P858935

Luminaire Tested: **LX4C05D010 EX4C059030 4LBLWWH**

Issue Date: 2/14/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P858935  
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: LX4C05D010 EX4C059030 4LBLWWH  
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND  
4LRLWW TRIM WITH H FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver: -

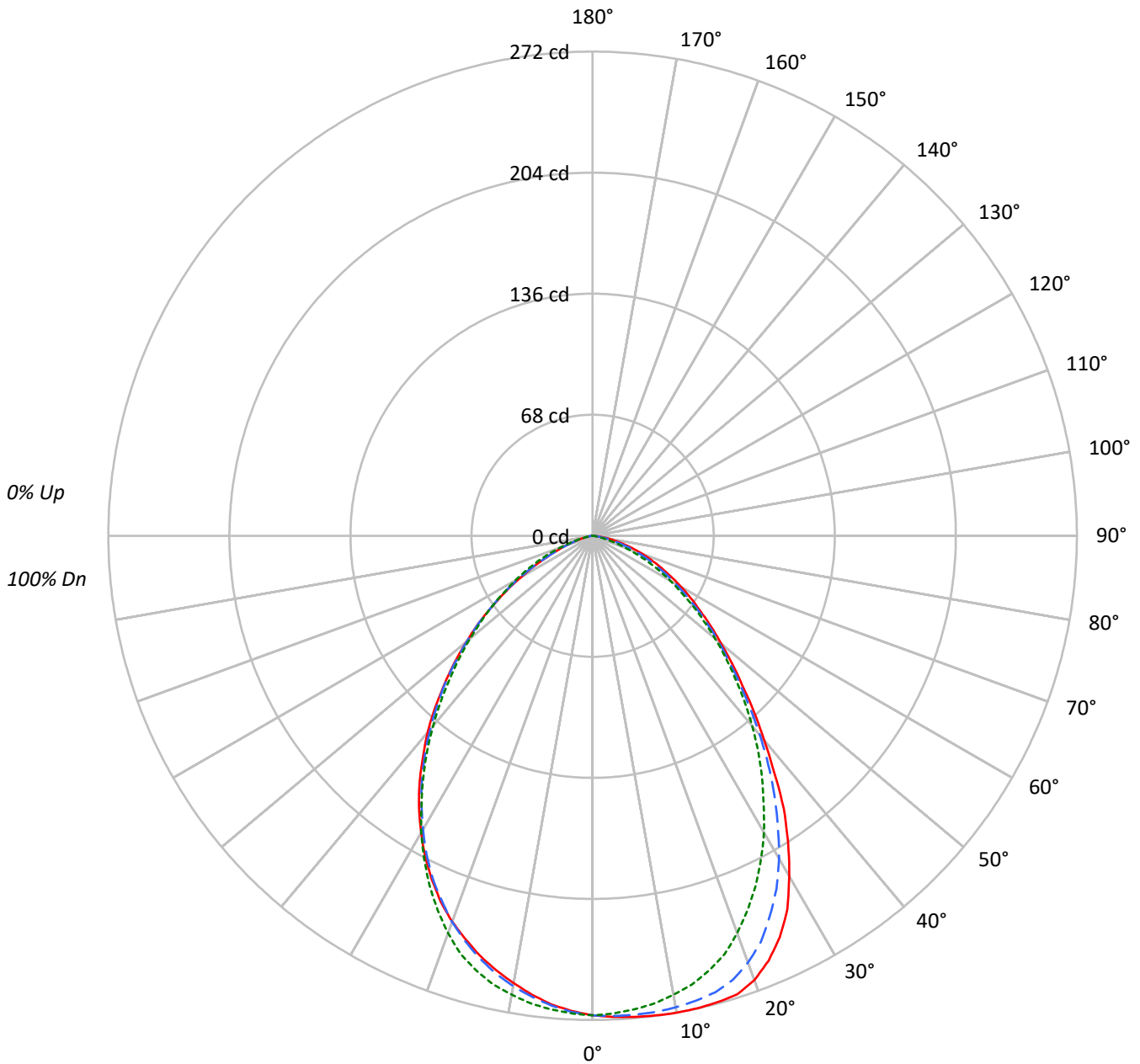
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 507.6 lumens  
Efficiency: N/A  
Efficacy: 70.5 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): 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

TEST NUMBER: P858935

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20  |     |     |     |     |     |     |     |     | 20  |     |     |     |     |     |     |     |     | 20 |    |   |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80  |     |     |     |     |     |     |     |     | 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 |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 1   | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 94  | 92  | 90  | 88  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 103 | 96  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 86  | 83  | 88  | 84  | 81  | 85  | 82  | 79  | 77  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 95  | 86  | 79  | 74  | 93  | 85  | 78  | 73  | 82  | 76  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 68  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 88  | 78  | 70  | 64  | 86  | 77  | 69  | 64  | 74  | 68  | 63  | 72  | 67  | 62  | 70  | 65  | 62  | 60  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 82  | 71  | 63  | 57  | 80  | 69  | 62  | 57  | 67  | 61  | 56  | 66  | 60  | 55  | 64  | 59  | 55  | 53  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 76  | 64  | 56  | 51  | 74  | 63  | 56  | 50  | 62  | 55  | 50  | 60  | 54  | 50  | 59  | 53  | 49  | 47  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 71  | 59  | 51  | 46  | 69  | 58  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 44  | 43  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 67  | 54  | 47  | 41  | 65  | 54  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 45  | 40  | 39  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 62  | 50  | 43  | 38  | 61  | 50  | 42  | 37  | 49  | 42  | 37  | 47  | 41  | 37  | 47  | 41  | 37  | 35  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 59  | 47  | 39  | 34  | 58  | 46  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 43  | 38  | 34  | 32  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 33097 | 33097 | 33097 |
| 5°  | 33457 | 32940 | 32594 |
| 10° | 33944 | 32659 | 31836 |
| 15° | 34506 | 32153 | 31072 |
| 20° | 34724 | 31050 | 30161 |
| 25° | 33726 | 29375 | 28927 |
| 30° | 31337 | 27308 | 27322 |
| 35° | 28061 | 24881 | 25421 |
| 40° | 24024 | 22324 | 23126 |
| 45° | 20675 | 19667 | 20415 |
| 50° | 17985 | 17125 | 17641 |
| 55° | 15807 | 14736 | 14608 |
| 60° | 14079 | 12285 | 11327 |
| 65° | 12355 | 9855  | 8198  |
| 70° | 10596 | 6933  | 5568  |
| 75° | 8592  | 4035  | 3228  |
| 80° | 6155  | 1698  | 1556  |
| 85° | 2255  | 705   | 705   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 25.4   | 5.0       |
| 10°-20°   | 71.9   | 14.2      |
| 20°-30°   | 102.6  | 20.2      |
| 30°-40°   | 107.3  | 21.1      |
| 40°-50°   | 89.9   | 17.7      |
| 50°-60°   | 62.9   | 12.4      |
| 60°-70°   | 34.3   | 6.8       |
| 70°-80°   | 11.9   | 2.3       |
| 80°-90°   | 1.3    | 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°    | 199.8  | 39.4      |
| 0°-40°    | 307.2  | 60.5      |
| 0°-60°    | 460.0  | 90.6      |
| 0°-90°    | 507.6  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 507.6  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 269 | 269 | 269 | 269  | 269  |      |
| 5°  | 271 | 270 | 267 | 265  | 264  | 26   |
| 15° | 271 | 266 | 253 | 246  | 244  | 77   |
| 25° | 249 | 236 | 217 | 212  | 213  | 114  |
| 35° | 187 | 178 | 166 | 167  | 170  | 116  |
| 45° | 119 | 116 | 113 | 117  | 118  | 93   |
| 55° | 74  | 71  | 69  | 69   | 68   | 67   |
| 65° | 42  | 39  | 34  | 28   | 28   | 42   |
| 75° | 18  | 15  | 8   | 7    | 7    | 20   |
| 85° | 2   | 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°    | 269.4 | 269.4 | 269.4 | 269.4 | 269.4 | 269.4 | 269.4 | 269.4 | 269.4 | 269.4 | 269.4 |
| 2.5°  | 270.6 | 270.3 | 270.4 | 270.4 | 270.4 | 270.3 | 270.4 | 270.3 | 270.3 | 270.2 | 270.0 |
| 5°    | 271.3 | 271.1 | 271.1 | 271.1 | 271.0 | 270.9 | 270.9 | 270.8 | 270.6 | 270.5 | 270.1 |
| 7.5°  | 271.8 | 271.6 | 271.6 | 271.5 | 271.4 | 271.3 | 271.2 | 270.9 | 270.6 | 270.4 | 269.9 |
| 10°   | 272.1 | 271.8 | 271.8 | 271.6 | 271.4 | 271.3 | 271.1 | 270.7 | 270.3 | 269.8 | 269.0 |
| 12.5° | 271.9 | 271.6 | 271.5 | 271.3 | 270.9 | 270.7 | 270.5 | 270.0 | 269.3 | 268.5 | 267.6 |
| 15°   | 271.3 | 271.1 | 270.9 | 270.6 | 270.1 | 269.8 | 269.6 | 268.7 | 267.8 | 266.7 | 265.6 |
| 17.5° | 270.1 | 269.8 | 269.4 | 268.9 | 268.2 | 267.9 | 267.3 | 266.3 | 265.0 | 263.6 | 261.7 |
| 20°   | 265.6 | 265.4 | 265.0 | 264.3 | 263.1 | 262.7 | 262.0 | 260.6 | 258.9 | 257.1 | 255.2 |
| 22.5° | 258.3 | 258.0 | 257.4 | 256.7 | 255.6 | 254.9 | 254.3 | 252.5 | 250.4 | 248.6 | 246.9 |
| 25°   | 248.8 | 248.5 | 247.7 | 246.9 | 245.9 | 244.5 | 243.9 | 242.5 | 240.6 | 238.1 | 235.6 |
| 27.5° | 236.7 | 235.7 | 235.4 | 234.5 | 232.8 | 232.4 | 231.5 | 229.7 | 227.8 | 225.7 | 223.6 |
| 30°   | 220.9 | 220.9 | 220.3 | 219.9 | 218.5 | 218.1 | 217.1 | 215.0 | 214.0 | 211.1 | 209.4 |
| 32.5° | 204.3 | 204.1 | 203.5 | 203.2 | 202.4 | 201.7 | 200.7 | 199.6 | 197.3 | 195.9 | 193.6 |
| 35°   | 187.1 | 185.8 | 186.0 | 185.4 | 184.9 | 184.1 | 184.0 | 182.8 | 180.8 | 179.9 | 177.9 |
| 37.5° | 167.5 | 167.0 | 167.7 | 166.8 | 166.3 | 166.4 | 165.5 | 164.8 | 164.0 | 162.5 | 162.1 |
| 40°   | 149.8 | 150.2 | 150.1 | 149.3 | 149.7 | 149.1 | 148.3 | 147.6 | 147.2 | 146.3 | 146.0 |
| 42.5° | 134.0 | 133.4 | 133.2 | 133.2 | 133.3 | 133.3 | 132.8 | 132.2 | 132.2 | 131.3 | 130.4 |
| 45°   | 119.0 | 119.0 | 118.8 | 119.4 | 118.5 | 118.5 | 118.2 | 118.1 | 117.7 | 117.5 | 116.4 |
| 47.5° | 106.2 | 106.1 | 106.0 | 105.9 | 105.8 | 105.8 | 105.2 | 104.7 | 104.6 | 103.9 | 103.2 |
| 50°   | 94.1  | 94.7  | 94.5  | 94.0  | 93.8  | 93.9  | 93.5  | 93.2  | 93.1  | 92.0  | 92.1  |
| 52.5° | 83.9  | 83.8  | 84.0  | 83.7  | 83.2  | 83.3  | 82.9  | 82.5  | 82.1  | 81.5  | 81.1  |
| 55°   | 73.8  | 74.4  | 74.2  | 73.8  | 73.7  | 73.5  | 73.2  | 72.7  | 72.6  | 71.5  | 71.4  |
| 57.5° | 65.5  | 65.4  | 65.2  | 64.6  | 64.5  | 64.2  | 64.2  | 63.8  | 63.2  | 62.6  | 62.0  |
| 60°   | 57.3  | 57.3  | 57.0  | 56.9  | 56.5  | 56.4  | 56.3  | 55.8  | 55.1  | 54.6  | 53.8  |
| 62.5° | 49.4  | 49.6  | 49.4  | 49.1  | 48.8  | 48.4  | 48.2  | 47.8  | 47.2  | 46.7  | 46.0  |
| 65°   | 42.5  | 42.4  | 42.3  | 41.8  | 41.7  | 41.3  | 41.2  | 40.6  | 40.0  | 39.6  | 38.8  |
| 67.5° | 35.8  | 35.5  | 35.5  | 35.3  | 35.1  | 34.8  | 34.6  | 34.0  | 33.3  | 32.9  | 32.0  |
| 70°   | 29.5  | 29.3  | 29.3  | 29.3  | 28.8  | 28.5  | 28.4  | 28.1  | 27.1  | 26.7  | 25.8  |
| 72.5° | 23.7  | 23.6  | 23.5  | 23.2  | 22.9  | 22.9  | 22.5  | 21.9  | 21.4  | 20.9  | 20.2  |
| 75°   | 18.1  | 18.3  | 18.1  | 17.7  | 17.6  | 17.4  | 17.1  | 16.6  | 16.1  | 15.5  | 14.7  |
| 77.5° | 13.2  | 13.0  | 12.8  | 12.8  | 12.6  | 12.2  | 12.1  | 11.7  | 11.1  | 10.7  | 10.0  |
| 80°   | 8.7   | 8.6   | 8.3   | 8.1   | 8.0   | 7.9   | 7.8   | 7.4   | 6.8   | 6.5   | 5.9   |
| 82.5° | 4.8   | 4.7   | 4.7   | 4.6   | 4.3   | 4.3   | 4.2   | 3.8   | 3.5   | 3.3   | 2.9   |
| 85°   | 1.6   | 1.6   | 1.6   | 1.5   | 1.5   | 1.5   | 1.4   | 1.3   | 1.2   | 1.1   | 0.9   |
| 87.5° | 0.2   | 0.1   | 0.2   | 0.1   | 0.2   | 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°    | 269.4 | 269.4 | 269.4 | 269.4 | 269.4 | 269.4 | 269.4 | 269.4 | 269.4 | 269.4 | 269.4 |
| 2.5°  | 269.8 | 269.6 | 269.5 | 269.4 | 269.3 | 269.2 | 269.0 | 268.8 | 268.7 | 268.6 | 268.4 |
| 5°    | 269.8 | 269.4 | 269.2 | 268.8 | 268.6 | 268.4 | 268.1 | 267.8 | 267.4 | 267.1 | 266.8 |
| 7.5°  | 269.4 | 268.7 | 268.3 | 267.7 | 267.4 | 267.1 | 266.5 | 266.1 | 265.6 | 265.0 | 264.3 |
| 10°   | 268.3 | 267.6 | 266.7 | 265.9 | 265.6 | 265.1 | 264.3 | 263.6 | 262.7 | 261.8 | 261.1 |
| 12.5° | 266.6 | 265.5 | 264.5 | 263.4 | 262.7 | 262.2 | 261.0 | 260.0 | 259.0 | 258.1 | 256.8 |
| 15°   | 264.2 | 262.8 | 261.4 | 259.9 | 259.2 | 258.6 | 256.9 | 255.6 | 254.0 | 252.8 | 251.6 |
| 17.5° | 260.1 | 258.1 | 256.4 | 254.4 | 253.4 | 252.7 | 251.2 | 249.2 | 247.7 | 246.4 | 244.8 |
| 20°   | 253.2 | 251.2 | 248.9 | 246.8 | 245.7 | 244.6 | 242.6 | 240.6 | 238.9 | 237.5 | 236.0 |
| 22.5° | 244.0 | 241.6 | 240.0 | 237.2 | 236.3 | 235.2 | 232.6 | 230.8 | 229.1 | 227.5 | 226.1 |
| 25°   | 232.9 | 230.8 | 228.6 | 226.0 | 224.9 | 223.6 | 221.4 | 219.5 | 218.4 | 216.7 | 214.9 |
| 27.5° | 220.2 | 218.5 | 215.6 | 213.5 | 212.4 | 211.4 | 209.3 | 207.6 | 206.0 | 204.8 | 203.1 |
| 30°   | 206.8 | 204.7 | 202.2 | 199.9 | 199.3 | 198.0 | 196.3 | 195.0 | 193.2 | 192.5 | 191.7 |
| 32.5° | 191.9 | 189.6 | 187.7 | 186.2 | 185.0 | 184.0 | 183.0 | 180.9 | 180.6 | 178.7 | 178.5 |
| 35°   | 175.8 | 174.8 | 173.0 | 171.7 | 170.7 | 170.0 | 168.4 | 167.4 | 166.3 | 165.9 | 165.2 |
| 37.5° | 160.6 | 159.3 | 157.7 | 156.5 | 155.8 | 155.7 | 154.5 | 153.9 | 153.1 | 152.7 | 151.9 |
| 40°   | 144.6 | 144.1 | 142.6 | 142.4 | 141.3 | 141.2 | 140.6 | 139.9 | 139.2 | 139.2 | 139.3 |
| 42.5° | 129.9 | 129.3 | 128.7 | 128.0 | 127.4 | 127.4 | 127.0 | 126.8 | 126.5 | 126.2 | 126.8 |
| 45°   | 116.2 | 115.2 | 114.8 | 114.1 | 114.4 | 113.8 | 113.6 | 113.6 | 113.3 | 113.2 | 113.9 |
| 47.5° | 103.2 | 102.3 | 101.9 | 101.7 | 101.7 | 101.8 | 100.9 | 101.2 | 101.1 | 101.3 | 101.6 |
| 50°   | 91.5  | 90.7  | 90.1  | 90.1  | 90.2  | 89.8  | 89.4  | 89.7  | 89.4  | 89.6  | 90.3  |
| 52.5° | 80.7  | 79.9  | 79.5  | 79.5  | 78.9  | 78.8  | 79.0  | 78.6  | 78.7  | 78.8  | 79.2  |
| 55°   | 70.7  | 70.1  | 69.6  | 69.1  | 69.2  | 69.0  | 68.6  | 68.5  | 68.7  | 68.8  | 69.3  |
| 57.5° | 61.6  | 60.9  | 60.2  | 60.0  | 59.8  | 59.8  | 59.3  | 59.2  | 59.4  | 58.8  | 58.8  |
| 60°   | 53.0  | 52.6  | 51.7  | 51.4  | 51.4  | 50.9  | 50.5  | 50.7  | 50.1  | 50.0  | 50.1  |
| 62.5° | 45.1  | 44.8  | 44.1  | 43.5  | 43.3  | 43.1  | 42.6  | 42.4  | 42.1  | 41.7  | 41.1  |
| 65°   | 38.1  | 37.4  | 36.7  | 36.2  | 35.9  | 35.4  | 35.1  | 34.7  | 34.1  | 33.9  | 33.3  |
| 67.5° | 31.2  | 30.4  | 29.7  | 29.4  | 29.1  | 28.8  | 28.3  | 27.8  | 27.1  | 26.2  | 25.5  |
| 70°   | 25.0  | 24.1  | 23.7  | 22.9  | 22.7  | 22.3  | 21.6  | 21.1  | 20.3  | 19.3  | 18.6  |
| 72.5° | 19.1  | 18.5  | 17.9  | 17.2  | 16.7  | 16.4  | 15.8  | 15.0  | 14.1  | 13.5  | 12.8  |
| 75°   | 13.7  | 13.4  | 12.6  | 11.8  | 11.6  | 11.2  | 10.5  | 10.0  | 9.4   | 8.5   | 7.8   |
| 77.5° | 9.4   | 8.7   | 8.1   | 7.4   | 7.2   | 6.8   | 6.4   | 5.9   | 5.5   | 5.0   | 4.6   |
| 80°   | 5.5   | 5.0   | 4.7   | 4.2   | 4.0   | 3.8   | 3.5   | 3.1   | 2.6   | 2.4   | 2.3   |
| 82.5° | 2.6   | 2.2   | 2.1   | 1.8   | 1.7   | 1.6   | 1.4   | 1.3   | 1.1   | 1.1   | 1.1   |
| 85°   | 0.9   | 0.7   | 0.7   | 0.6   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 87.5° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   | 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°    | 269.4 | 269.4 | 269.4 | 269.4  | 269.4 | 269.4 | 269.4 | 269.4 | 269.4 | 269.4 | 269.4 |
| 2.5°  | 268.3 | 268.2 | 268.1 | 268.0  | 268.0 | 267.9 | 267.9 | 267.8 | 267.8 | 267.7 | 267.7 |
| 5°    | 266.4 | 266.1 | 265.9 | 265.7  | 265.7 | 265.4 | 265.2 | 265.0 | 264.9 | 264.9 | 264.7 |
| 7.5°  | 263.9 | 263.5 | 263.0 | 262.7  | 262.6 | 262.1 | 261.6 | 261.6 | 261.2 | 261.0 | 260.8 |
| 10°   | 260.4 | 259.7 | 259.1 | 258.8  | 258.4 | 258.1 | 257.6 | 257.2 | 256.9 | 256.4 | 256.2 |
| 12.5° | 255.7 | 255.2 | 254.3 | 253.9  | 253.7 | 253.1 | 252.3 | 251.9 | 251.8 | 251.4 | 251.0 |
| 15°   | 250.4 | 249.3 | 248.5 | 248.0  | 248.0 | 247.0 | 246.6 | 246.0 | 245.6 | 245.2 | 245.1 |
| 17.5° | 243.6 | 242.5 | 241.7 | 241.0  | 240.8 | 240.0 | 239.2 | 239.0 | 238.5 | 238.7 | 238.2 |
| 20°   | 234.9 | 234.0 | 233.2 | 232.3  | 232.3 | 231.8 | 231.6 | 231.1 | 230.9 | 230.7 | 230.9 |
| 22.5° | 225.4 | 224.3 | 223.3 | 223.2  | 223.2 | 222.4 | 222.3 | 222.2 | 221.7 | 222.1 | 222.0 |
| 25°   | 214.3 | 213.5 | 212.9 | 212.8  | 212.8 | 212.4 | 212.0 | 212.2 | 212.5 | 212.4 | 212.7 |
| 27.5° | 202.8 | 202.0 | 201.8 | 201.7  | 201.5 | 201.4 | 201.6 | 201.6 | 201.9 | 202.3 | 202.7 |
| 30°   | 190.4 | 190.2 | 189.9 | 189.8  | 189.6 | 190.1 | 190.3 | 190.6 | 190.5 | 191.1 | 191.5 |
| 32.5° | 178.0 | 177.6 | 177.5 | 177.7  | 178.0 | 177.9 | 178.5 | 178.7 | 178.9 | 179.6 | 179.9 |
| 35°   | 165.4 | 165.3 | 165.1 | 165.1  | 165.2 | 166.0 | 166.0 | 166.8 | 167.2 | 167.4 | 168.2 |
| 37.5° | 152.0 | 152.4 | 152.6 | 152.9  | 153.0 | 153.3 | 153.5 | 154.2 | 154.6 | 155.1 | 155.5 |
| 40°   | 139.7 | 139.5 | 140.4 | 139.8  | 140.0 | 140.9 | 141.3 | 141.2 | 141.8 | 142.4 | 142.8 |
| 42.5° | 126.4 | 126.8 | 127.0 | 127.3  | 127.8 | 127.9 | 128.4 | 129.1 | 129.3 | 130.0 | 130.2 |
| 45°   | 113.7 | 113.8 | 114.2 | 114.6  | 114.9 | 115.9 | 116.1 | 116.4 | 117.0 | 117.0 | 117.3 |
| 47.5° | 101.7 | 102.1 | 102.1 | 102.7  | 103.2 | 103.1 | 103.9 | 104.1 | 104.0 | 104.6 | 104.8 |
| 50°   | 90.2  | 90.8  | 90.7  | 91.1   | 91.3  | 91.4  | 92.1  | 92.3  | 91.9  | 92.4  | 92.5  |
| 52.5° | 79.2  | 79.5  | 80.0  | 80.1   | 79.9  | 80.4  | 80.2  | 80.6  | 80.5  | 80.9  | 80.5  |
| 55°   | 69.2  | 69.1  | 69.1  | 69.3   | 69.1  | 69.3  | 69.5  | 69.1  | 68.8  | 69.2  | 69.1  |
| 57.5° | 59.2  | 59.2  | 58.9  | 59.3   | 58.9  | 58.6  | 58.5  | 58.2  | 57.9  | 57.9  | 57.8  |
| 60°   | 49.7  | 49.5  | 49.1  | 49.0   | 49.0  | 48.5  | 48.3  | 47.8  | 47.8  | 47.4  | 47.0  |
| 62.5° | 40.9  | 40.4  | 40.1  | 40.1   | 39.9  | 39.4  | 38.5  | 37.8  | 37.6  | 37.0  | 36.9  |
| 65°   | 32.7  | 32.1  | 31.8  | 31.2   | 30.6  | 30.4  | 29.5  | 28.8  | 28.5  | 27.9  | 28.0  |
| 67.5° | 25.0  | 24.2  | 23.3  | 22.9   | 22.6  | 21.9  | 21.6  | 21.1  | 20.8  | 20.8  | 20.8  |
| 70°   | 18.0  | 17.3  | 16.4  | 16.1   | 15.9  | 15.3  | 15.0  | 14.9  | 15.2  | 15.1  | 15.2  |
| 72.5° | 12.1  | 11.4  | 11.0  | 10.8   | 10.6  | 10.3  | 10.5  | 10.6  | 10.4  | 10.5  | 10.6  |
| 75°   | 7.3   | 7.1   | 6.8   | 6.7    | 6.7   | 6.8   | 6.7   | 6.7   | 6.8   | 6.8   | 6.9   |
| 77.5° | 4.3   | 4.1   | 4.1   | 4.0    | 4.2   | 4.1   | 4.1   | 4.1   | 4.2   | 4.2   | 4.2   |
| 80°   | 2.2   | 2.2   | 2.2   | 2.2    | 2.3   | 2.2   | 2.3   | 2.3   | 2.3   | 2.3   | 2.3   |
| 82.5° | 1.1   | 1.1   | 1.1   | 1.2    | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.1   |
| 85°   | 0.5   | 0.5   | 0.5   | 0.5    | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 87.5° | 0.1   | 0.2   | 0.2   | 0.2    | 0.2   | 0.2   | 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: P858935

CATALOG NUMBER: LX4C05D010 EX4C059030 4LBLWWH

**CANDELA DISTRIBUTION (continued):**

|       | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0°    | 269.4 | 269.4 | 269.4  | 269.4 | 269.4 | 269.4 | 269.4 | 269.4 |
| 2.5°  | 267.4 | 267.4 | 267.4  | 267.2 | 267.3 | 267.3 | 267.2 | 267.2 |
| 5°    | 264.6 | 264.5 | 264.3  | 264.3 | 264.1 | 264.3 | 264.2 | 264.3 |
| 7.5°  | 260.6 | 260.6 | 260.3  | 260.3 | 260.2 | 260.1 | 260.0 | 260.1 |
| 10°   | 255.9 | 255.9 | 255.7  | 255.6 | 255.7 | 255.3 | 255.3 | 255.2 |
| 12.5° | 250.8 | 250.5 | 250.3  | 250.4 | 250.3 | 250.0 | 249.9 | 250.0 |
| 15°   | 244.7 | 244.4 | 244.5  | 244.2 | 244.2 | 244.1 | 244.3 | 244.3 |
| 17.5° | 238.1 | 237.9 | 237.7  | 237.8 | 237.6 | 237.7 | 237.6 | 237.5 |
| 20°   | 230.8 | 230.7 | 230.7  | 230.3 | 230.4 | 230.3 | 230.4 | 230.7 |
| 22.5° | 222.3 | 222.2 | 222.3  | 222.0 | 222.2 | 222.2 | 222.6 | 222.6 |
| 25°   | 213.0 | 212.9 | 213.1  | 213.2 | 213.3 | 213.6 | 213.3 | 213.4 |
| 27.5° | 202.6 | 202.9 | 203.2  | 203.3 | 203.7 | 203.4 | 203.2 | 203.5 |
| 30°   | 192.1 | 192.1 | 192.0  | 192.5 | 192.8 | 193.1 | 192.6 | 192.6 |
| 32.5° | 180.1 | 180.7 | 180.7  | 180.8 | 181.1 | 181.1 | 181.1 | 181.5 |
| 35°   | 168.7 | 169.0 | 169.1  | 168.7 | 168.9 | 168.8 | 169.5 | 169.5 |
| 37.5° | 155.8 | 155.8 | 155.9  | 156.6 | 156.6 | 156.3 | 156.5 | 156.5 |
| 40°   | 143.5 | 143.7 | 143.2  | 143.4 | 144.0 | 143.8 | 144.0 | 144.2 |
| 42.5° | 130.2 | 130.9 | 130.5  | 130.7 | 130.6 | 130.7 | 130.8 | 130.8 |
| 45°   | 117.5 | 117.7 | 117.7  | 117.8 | 118.0 | 118.2 | 117.6 | 117.5 |
| 47.5° | 105.1 | 105.2 | 105.5  | 105.0 | 105.6 | 105.0 | 105.6 | 104.9 |
| 50°   | 92.5  | 92.9  | 92.6   | 92.8  | 92.5  | 92.5  | 92.4  | 92.3  |
| 52.5° | 80.6  | 80.5  | 80.5   | 80.4  | 80.4  | 80.6  | 80.4  | 80.7  |
| 55°   | 68.7  | 68.8  | 68.6   | 68.5  | 68.4  | 68.7  | 68.4  | 68.2  |
| 57.5° | 57.4  | 57.6  | 57.2   | 57.4  | 56.7  | 57.0  | 57.1  | 57.2  |
| 60°   | 46.9  | 46.6  | 46.6   | 46.2  | 46.2  | 46.5  | 46.1  | 46.1  |
| 62.5° | 36.3  | 36.5  | 36.2   | 36.7  | 36.7  | 37.1  | 36.9  | 37.1  |
| 65°   | 27.9  | 28.0  | 28.1   | 28.1  | 28.1  | 28.7  | 28.5  | 28.2  |
| 67.5° | 21.1  | 21.2  | 21.3   | 21.2  | 21.5  | 21.3  | 21.3  | 21.4  |
| 70°   | 15.3  | 15.4  | 15.5   | 15.5  | 15.4  | 15.5  | 15.5  | 15.5  |
| 72.5° | 10.6  | 10.7  | 10.6   | 10.7  | 10.8  | 10.7  | 10.7  | 10.8  |
| 75°   | 6.9   | 6.9   | 6.8    | 6.8   | 6.8   | 6.8   | 6.9   | 6.8   |
| 77.5° | 4.1   | 4.2   | 4.1    | 4.2   | 4.2   | 4.2   | 4.2   | 4.2   |
| 80°   | 2.3   | 2.3   | 2.3    | 2.2   | 2.3   | 2.3   | 2.3   | 2.2   |
| 82.5° | 1.2   | 1.2   | 1.1    | 1.1   | 1.2   | 1.2   | 1.2   | 1.2   |
| 85°   | 0.5   | 0.5   | 0.5    | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 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)