

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: P856833

Luminaire Tested: **LX4C10D010 EX4C109835 4LBLWW\***

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P856833  
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: LX4C10D010 EX4C109835 4LBLWW\*  
Description:  
Light Source: -  
Ballast/Driver: -

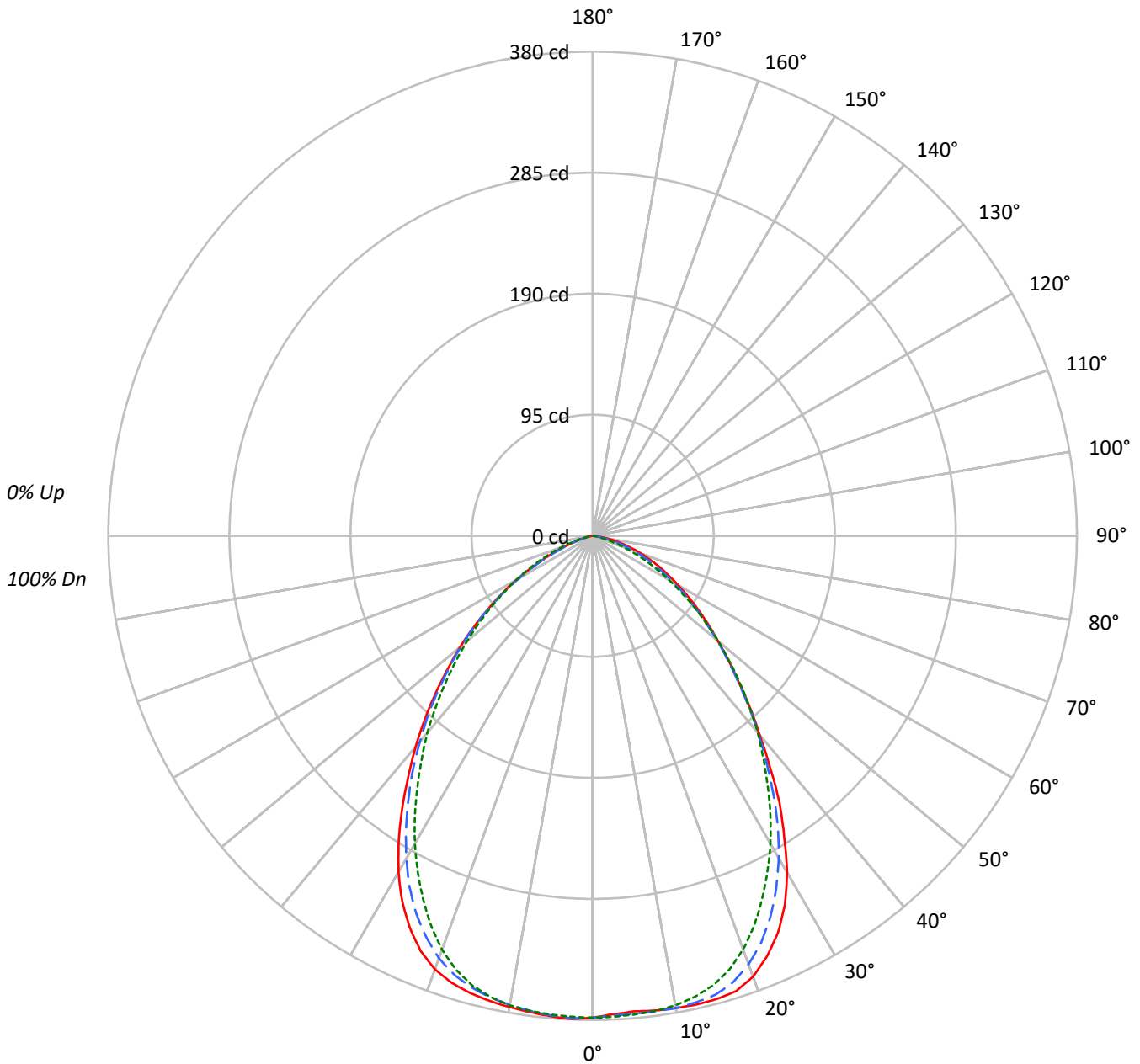
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 725.0 lumens  
Efficiency: N/A  
Efficacy: 74.0 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): 9.8  
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: P856833

CATALOG NUMBER: LX4C10D010 EX4C109835 4LBLWW\*

### Luminous Intensity Polar Plot





TEST NUMBER: P856833

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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 | 109 | 105 | 102 | 99  | 101 | 99  | 96  | 97  | 95  | 93  | 94  | 92  | 91  | 89  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 103 | 96  | 91  | 86  | 101 | 95  | 89  | 85  | 91  | 87  | 83  | 88  | 84  | 81  | 85  | 82  | 80  | 78  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 95  | 87  | 80  | 74  | 93  | 85  | 79  | 74  | 82  | 77  | 72  | 80  | 75  | 71  | 77  | 73  | 70  | 68  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 88  | 78  | 71  | 65  | 86  | 77  | 70  | 65  | 75  | 69  | 64  | 72  | 67  | 63  | 70  | 66  | 62  | 60  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 82  | 71  | 63  | 57  | 80  | 70  | 63  | 57  | 68  | 61  | 57  | 66  | 60  | 56  | 64  | 59  | 55  | 54  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 76  | 65  | 57  | 51  | 75  | 64  | 56  | 51  | 62  | 56  | 51  | 61  | 55  | 50  | 59  | 54  | 50  | 48  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 71  | 59  | 51  | 46  | 70  | 59  | 51  | 46  | 57  | 50  | 46  | 56  | 50  | 45  | 54  | 49  | 45  | 43  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 67  | 55  | 47  | 42  | 65  | 54  | 47  | 42  | 53  | 46  | 41  | 52  | 46  | 41  | 50  | 45  | 41  | 39  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 63  | 51  | 43  | 38  | 61  | 50  | 43  | 38  | 49  | 42  | 38  | 48  | 42  | 38  | 47  | 41  | 37  | 36  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 59  | 47  | 40  | 35  | 58  | 46  | 39  | 35  | 45  | 39  | 35  | 45  | 39  | 35  | 44  | 38  | 34  | 33  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 46463 | 46463 | 46463 |
| 5°  | 46197 | 46505 | 46678 |
| 10° | 46955 | 46681 | 46856 |
| 15° | 47873 | 46462 | 47250 |
| 20° | 48125 | 45170 | 47327 |
| 25° | 46631 | 42659 | 46007 |
| 30° | 43295 | 39579 | 43210 |
| 35° | 38334 | 35904 | 39054 |
| 40° | 32684 | 32331 | 34641 |
| 45° | 28077 | 28407 | 30179 |
| 50° | 24502 | 24560 | 25878 |
| 55° | 21654 | 20733 | 21440 |
| 60° | 18969 | 16905 | 16855 |
| 65° | 16802 | 13110 | 11686 |
| 70° | 14332 | 9016  | 6968  |
| 75° | 11582 | 4889  | 3180  |
| 80° | 7924  | 1203  | 849   |
| 85° | 2396  | 423   | 423   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 35.9   | 5.0       |
| 10°-20°   | 104.0  | 14.4      |
| 20°-30°   | 150.3  | 20.7      |
| 30°-40°   | 155.4  | 21.4      |
| 40°-50°   | 128.4  | 17.7      |
| 50°-60°   | 88.6   | 12.2      |
| 60°-70°   | 46.4   | 6.4       |
| 70°-80°   | 14.6   | 2.0       |
| 80°-90°   | 1.2    | 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°    | 290.3  | 40.0      |
| 0°-40°    | 445.7  | 61.5      |
| 0°-60°    | 662.7  | 91.4      |
| 0°-90°    | 725.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 725.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 378 | 378 | 378 | 378  | 378  |      |
| 5°  | 375 | 376 | 377 | 378  | 378  | 36   |
| 15° | 376 | 373 | 365 | 367  | 372  | 106  |
| 25° | 344 | 330 | 315 | 327  | 339  | 157  |
| 35° | 256 | 247 | 239 | 252  | 260  | 159  |
| 45° | 162 | 161 | 164 | 171  | 174  | 126  |
| 55° | 101 | 98  | 97  | 100  | 100  | 91   |
| 65° | 58  | 52  | 45  | 38   | 40   | 57   |
| 75° | 24  | 19  | 10  | 7    | 7    | 26   |
| 85° | 2   | 1   | 0   | 0    | 0    | 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°    | 378.2 | 378.2 | 378.2 | 378.2 | 378.2 | 378.2 | 378.2 | 378.2 | 378.2 | 378.2 | 378.2 |
| 2.5°  | 375.8 | 375.9 | 375.9 | 376.1 | 376.1 | 376.1 | 376.3 | 376.3 | 376.4 | 376.6 | 376.8 |
| 5°    | 374.6 | 374.6 | 374.9 | 375.1 | 375.3 | 375.4 | 375.8 | 375.9 | 376.1 | 376.3 | 376.4 |
| 7.5°  | 375.8 | 375.8 | 375.9 | 376.0 | 376.0 | 376.1 | 376.1 | 376.3 | 376.4 | 376.6 | 376.6 |
| 10°   | 376.4 | 376.4 | 376.4 | 376.4 | 376.6 | 376.6 | 376.6 | 376.4 | 376.4 | 376.4 | 376.3 |
| 12.5° | 376.8 | 376.8 | 376.6 | 376.4 | 376.6 | 376.4 | 376.4 | 376.0 | 375.8 | 375.4 | 375.1 |
| 15°   | 376.4 | 376.4 | 376.3 | 376.1 | 376.0 | 375.8 | 375.6 | 374.9 | 374.4 | 373.5 | 372.9 |
| 17.5° | 374.6 | 374.4 | 374.0 | 373.7 | 373.2 | 372.7 | 372.5 | 371.2 | 370.2 | 368.7 | 367.2 |
| 20°   | 368.1 | 367.8 | 367.4 | 366.7 | 366.0 | 365.3 | 364.5 | 362.7 | 361.7 | 359.6 | 357.9 |
| 22.5° | 357.4 | 357.1 | 357.3 | 356.0 | 354.6 | 353.8 | 353.1 | 351.6 | 349.9 | 347.2 | 345.5 |
| 25°   | 344.0 | 343.2 | 343.2 | 341.3 | 340.6 | 339.9 | 339.2 | 337.4 | 334.8 | 332.4 | 330.1 |
| 27.5° | 326.7 | 325.6 | 325.0 | 324.8 | 323.1 | 321.7 | 320.8 | 319.3 | 317.2 | 315.1 | 312.0 |
| 30°   | 305.2 | 305.1 | 304.4 | 303.0 | 301.8 | 301.2 | 300.1 | 297.7 | 295.6 | 294.1 | 292.1 |
| 32.5° | 279.7 | 279.6 | 279.6 | 279.6 | 278.8 | 278.6 | 276.9 | 275.6 | 274.0 | 271.6 | 270.4 |
| 35°   | 255.6 | 255.5 | 255.6 | 253.4 | 252.9 | 252.5 | 252.4 | 251.5 | 249.3 | 248.3 | 247.1 |
| 37.5° | 228.4 | 228.7 | 228.5 | 227.9 | 228.6 | 227.3 | 228.4 | 226.5 | 225.6 | 225.3 | 224.1 |
| 40°   | 203.8 | 204.9 | 203.8 | 203.9 | 204.7 | 203.3 | 203.3 | 203.0 | 202.5 | 202.2 | 201.9 |
| 42.5° | 182.7 | 181.4 | 182.2 | 181.5 | 182.2 | 181.7 | 181.0 | 181.5 | 181.6 | 181.0 | 180.9 |
| 45°   | 161.6 | 161.9 | 162.2 | 161.8 | 161.8 | 161.3 | 162.5 | 161.8 | 161.8 | 161.9 | 160.9 |
| 47.5° | 144.4 | 144.0 | 144.3 | 144.0 | 144.1 | 143.8 | 144.1 | 144.3 | 144.0 | 144.0 | 143.1 |
| 50°   | 128.2 | 128.0 | 128.9 | 128.1 | 128.1 | 128.0 | 128.1 | 127.8 | 127.3 | 127.3 | 127.7 |
| 52.5° | 114.1 | 113.6 | 113.4 | 114.1 | 113.2 | 113.2 | 113.3 | 113.1 | 112.4 | 112.2 | 111.5 |
| 55°   | 101.1 | 100.9 | 101.1 | 100.5 | 100.2 | 100.2 | 99.5  | 99.3  | 99.2  | 98.4  | 98.0  |
| 57.5° | 88.9  | 88.5  | 88.6  | 88.5  | 87.9  | 87.7  | 87.2  | 87.2  | 86.6  | 86.1  | 85.3  |
| 60°   | 77.2  | 77.2  | 77.7  | 77.1  | 76.7  | 76.4  | 76.2  | 75.8  | 74.8  | 73.8  | 73.0  |
| 62.5° | 66.9  | 67.1  | 66.9  | 66.4  | 66.2  | 65.9  | 65.6  | 64.7  | 63.9  | 63.3  | 62.3  |
| 65°   | 57.8  | 57.7  | 57.2  | 57.0  | 56.3  | 56.3  | 55.6  | 55.2  | 54.2  | 53.4  | 52.4  |
| 67.5° | 48.4  | 48.2  | 48.2  | 48.2  | 47.3  | 47.2  | 46.8  | 46.0  | 45.1  | 44.1  | 43.2  |
| 70°   | 39.9  | 40.2  | 39.8  | 39.3  | 38.9  | 38.8  | 38.3  | 37.5  | 36.5  | 35.4  | 34.7  |
| 72.5° | 31.8  | 32.1  | 31.7  | 31.6  | 30.7  | 30.4  | 30.2  | 29.5  | 28.4  | 27.7  | 26.6  |
| 75°   | 24.4  | 24.5  | 24.3  | 24.0  | 23.5  | 23.3  | 22.6  | 22.0  | 21.3  | 20.2  | 19.2  |
| 77.5° | 17.6  | 17.3  | 17.3  | 16.8  | 16.2  | 16.2  | 16.1  | 15.2  | 14.2  | 13.4  | 12.5  |
| 80°   | 11.2  | 11.1  | 10.6  | 10.3  | 9.9   | 9.8   | 9.6   | 8.9   | 8.2   | 7.7   | 7.1   |
| 82.5° | 5.7   | 5.5   | 5.4   | 5.3   | 5.0   | 4.7   | 4.8   | 4.3   | 4.0   | 3.4   | 2.9   |
| 85°   | 1.7   | 1.9   | 1.9   | 1.7   | 1.6   | 1.6   | 1.6   | 1.4   | 1.2   | 1.0   | 0.9   |
| 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°    | 378.2 | 378.2 | 378.2 | 378.2 | 378.2 | 378.2 | 378.2 | 378.2 | 378.2 | 378.2 | 378.2 |
| 2.5°  | 376.9 | 377.0 | 377.1 | 377.3 | 377.3 | 377.5 | 377.6 | 377.7 | 377.8 | 377.8 | 378.0 |
| 5°    | 376.6 | 376.9 | 376.9 | 377.0 | 377.0 | 377.0 | 377.1 | 377.1 | 377.1 | 377.1 | 377.3 |
| 7.5°  | 376.8 | 376.8 | 376.8 | 376.6 | 376.6 | 376.4 | 376.4 | 376.4 | 376.1 | 376.1 | 376.1 |
| 10°   | 376.0 | 375.9 | 375.8 | 375.4 | 375.3 | 375.2 | 374.9 | 374.6 | 374.4 | 374.2 | 373.9 |
| 12.5° | 374.6 | 374.0 | 373.5 | 372.9 | 372.6 | 372.5 | 371.9 | 371.5 | 371.1 | 370.6 | 370.3 |
| 15°   | 371.8 | 370.9 | 369.9 | 368.7 | 368.5 | 368.2 | 367.2 | 366.3 | 365.8 | 365.3 | 364.6 |
| 17.5° | 366.1 | 364.4 | 363.2 | 361.5 | 360.8 | 360.5 | 359.0 | 358.1 | 357.1 | 356.9 | 356.3 |
| 20°   | 356.0 | 354.5 | 352.3 | 350.7 | 349.9 | 349.0 | 347.8 | 346.6 | 345.5 | 345.5 | 344.7 |
| 22.5° | 343.3 | 341.4 | 338.7 | 336.7 | 336.5 | 334.8 | 333.7 | 332.4 | 332.0 | 331.2 | 331.2 |
| 25°   | 327.4 | 325.8 | 322.8 | 321.0 | 320.2 | 319.8 | 317.9 | 316.2 | 315.4 | 314.7 | 315.2 |
| 27.5° | 309.9 | 307.3 | 305.1 | 302.9 | 302.2 | 301.3 | 299.6 | 298.9 | 297.4 | 297.2 | 297.0 |
| 30°   | 289.7 | 287.1 | 284.8 | 283.8 | 282.4 | 281.7 | 280.5 | 279.6 | 279.0 | 279.0 | 278.8 |
| 32.5° | 268.5 | 266.3 | 265.1 | 263.0 | 262.3 | 261.3 | 260.4 | 259.6 | 259.9 | 259.6 | 259.8 |
| 35°   | 245.7 | 245.1 | 243.0 | 241.7 | 241.7 | 241.6 | 240.1 | 239.5 | 239.3 | 239.4 | 240.1 |
| 37.5° | 223.9 | 222.2 | 220.8 | 220.0 | 220.7 | 219.8 | 219.6 | 219.6 | 220.5 | 220.0 | 221.1 |
| 40°   | 200.8 | 200.6 | 200.1 | 200.4 | 200.5 | 199.5 | 199.8 | 199.9 | 200.5 | 201.6 | 201.8 |
| 42.5° | 180.7 | 180.5 | 180.5 | 180.5 | 180.2 | 179.6 | 180.2 | 181.2 | 181.0 | 181.9 | 182.6 |
| 45°   | 161.1 | 160.9 | 161.5 | 161.0 | 161.9 | 162.2 | 161.8 | 162.0 | 162.8 | 163.5 | 164.6 |
| 47.5° | 143.4 | 143.4 | 143.6 | 143.8 | 143.0 | 143.7 | 144.0 | 144.6 | 145.0 | 145.3 | 145.8 |
| 50°   | 127.0 | 127.0 | 126.6 | 126.6 | 126.6 | 127.1 | 126.5 | 127.3 | 127.3 | 128.5 | 129.2 |
| 52.5° | 111.7 | 111.0 | 111.5 | 111.2 | 110.6 | 110.3 | 110.6 | 110.8 | 111.6 | 111.9 | 112.7 |
| 55°   | 97.3  | 97.3  | 96.1  | 95.9  | 96.3  | 96.1  | 96.0  | 96.0  | 96.4  | 96.8  | 97.6  |
| 57.5° | 84.4  | 83.6  | 82.8  | 82.7  | 82.2  | 82.4  | 82.4  | 82.2  | 82.0  | 82.0  | 82.2  |
| 60°   | 72.4  | 71.9  | 70.5  | 70.5  | 70.4  | 70.3  | 69.6  | 69.5  | 68.8  | 68.8  | 68.3  |
| 62.5° | 61.4  | 61.1  | 59.4  | 58.8  | 58.8  | 58.3  | 57.7  | 57.5  | 56.5  | 56.5  | 55.9  |
| 65°   | 51.4  | 50.6  | 49.6  | 48.6  | 48.6  | 48.0  | 47.5  | 46.3  | 45.6  | 45.1  | 44.3  |
| 67.5° | 42.4  | 41.0  | 40.0  | 39.2  | 38.6  | 38.5  | 37.5  | 36.7  | 35.5  | 34.8  | 33.5  |
| 70°   | 33.5  | 32.5  | 31.6  | 30.7  | 30.1  | 29.5  | 28.5  | 27.3  | 26.4  | 25.1  | 24.3  |
| 72.5° | 25.2  | 24.4  | 23.5  | 22.5  | 21.8  | 21.3  | 20.3  | 19.2  | 17.7  | 16.9  | 15.8  |
| 75°   | 18.2  | 17.2  | 16.1  | 15.1  | 14.6  | 14.2  | 13.1  | 12.2  | 11.2  | 10.3  | 9.1   |
| 77.5° | 11.8  | 10.6  | 9.8   | 8.6   | 8.6   | 8.2   | 7.1   | 6.2   | 5.5   | 5.0   | 4.3   |
| 80°   | 6.2   | 5.7   | 5.0   | 4.3   | 4.0   | 3.6   | 2.9   | 2.6   | 2.1   | 1.7   | 1.4   |
| 82.5° | 2.7   | 2.2   | 1.9   | 1.6   | 1.4   | 1.2   | 1.0   | 0.9   | 0.7   | 0.7   | 0.5   |
| 85°   | 0.7   | 0.5   | 0.5   | 0.4   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.0   | 0.2   | 0.2   | 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°    | 378.2 | 378.2 | 378.2 | 378.2  | 378.2 | 378.2 | 378.2 | 378.2 | 378.2 | 378.2 | 378.2 |
| 2.5°  | 378.2 | 378.3 | 378.5 | 378.5  | 378.5 | 378.7 | 378.7 | 378.9 | 379.0 | 379.2 | 379.2 |
| 5°    | 377.5 | 377.5 | 377.5 | 377.6  | 377.6 | 377.6 | 377.6 | 377.8 | 377.8 | 378.0 | 378.2 |
| 7.5°  | 376.0 | 376.0 | 376.0 | 376.0  | 375.9 | 376.0 | 375.9 | 375.9 | 376.1 | 376.3 | 376.4 |
| 10°   | 373.7 | 373.6 | 373.6 | 373.5  | 373.5 | 373.5 | 373.6 | 373.7 | 373.9 | 374.0 | 374.4 |
| 12.5° | 370.2 | 370.1 | 370.1 | 369.9  | 369.9 | 370.1 | 370.2 | 370.5 | 371.1 | 371.3 | 371.9 |
| 15°   | 364.5 | 364.4 | 364.5 | 364.6  | 365.0 | 365.3 | 365.8 | 366.2 | 367.0 | 367.8 | 368.5 |
| 17.5° | 356.3 | 356.4 | 356.6 | 356.9  | 357.3 | 357.9 | 359.0 | 360.1 | 361.2 | 362.2 | 363.4 |
| 20°   | 344.9 | 345.5 | 345.6 | 346.6  | 346.9 | 348.2 | 349.5 | 351.2 | 352.8 | 354.1 | 355.7 |
| 22.5° | 331.3 | 331.7 | 332.3 | 333.4  | 334.1 | 335.8 | 337.4 | 339.4 | 341.1 | 343.0 | 345.2 |
| 25°   | 315.9 | 315.9 | 317.6 | 317.6  | 319.3 | 320.8 | 322.6 | 324.8 | 327.4 | 329.8 | 331.3 |
| 27.5° | 298.2 | 298.9 | 300.2 | 300.8  | 302.0 | 304.4 | 305.9 | 308.5 | 311.0 | 313.1 | 314.8 |
| 30°   | 279.7 | 280.3 | 282.4 | 282.7  | 283.8 | 285.7 | 287.9 | 290.3 | 292.2 | 294.6 | 296.2 |
| 32.5° | 260.3 | 261.8 | 263.2 | 264.1  | 264.4 | 267.4 | 268.5 | 270.2 | 272.5 | 274.9 | 276.4 |
| 35°   | 241.4 | 242.1 | 244.0 | 244.5  | 245.4 | 247.1 | 249.3 | 250.8 | 251.9 | 253.4 | 255.3 |
| 37.5° | 221.4 | 223.5 | 223.9 | 225.6  | 226.0 | 227.5 | 228.6 | 230.3 | 231.8 | 233.2 | 233.5 |
| 40°   | 202.8 | 203.5 | 205.0 | 205.5  | 205.7 | 207.9 | 209.3 | 209.7 | 210.5 | 211.7 | 213.4 |
| 42.5° | 183.9 | 184.6 | 186.3 | 185.8  | 187.2 | 188.2 | 188.9 | 190.6 | 191.3 | 191.7 | 191.7 |
| 45°   | 165.3 | 165.6 | 166.7 | 167.3  | 168.0 | 168.5 | 169.9 | 170.7 | 170.9 | 172.3 | 172.6 |
| 47.5° | 147.6 | 147.9 | 148.7 | 149.6  | 149.4 | 150.1 | 151.5 | 152.0 | 152.0 | 152.9 | 153.4 |
| 50°   | 130.1 | 130.8 | 131.9 | 131.6  | 132.5 | 132.9 | 134.2 | 134.5 | 134.5 | 134.7 | 134.7 |
| 52.5° | 113.8 | 114.3 | 114.6 | 114.9  | 115.3 | 116.0 | 116.6 | 116.3 | 116.9 | 117.4 | 117.0 |
| 55°   | 97.6  | 98.0  | 98.7  | 99.0   | 99.0  | 99.2  | 98.8  | 100.1 | 99.5  | 99.4  | 99.5  |
| 57.5° | 82.8  | 82.2  | 82.0  | 82.8   | 83.1  | 82.9  | 82.5  | 83.1  | 83.1  | 82.8  | 82.4  |
| 60°   | 68.5  | 68.0  | 67.9  | 68.0   | 67.4  | 67.1  | 67.3  | 67.1  | 66.3  | 66.0  | 66.2  |
| 62.5° | 55.4  | 54.9  | 53.9  | 53.9   | 53.5  | 53.4  | 52.3  | 52.4  | 51.8  | 51.0  | 51.3  |
| 65°   | 43.3  | 42.2  | 41.6  | 41.5   | 40.5  | 39.6  | 39.3  | 38.3  | 37.5  | 37.4  | 37.5  |
| 67.5° | 32.5  | 31.2  | 30.2  | 29.8   | 29.2  | 28.5  | 27.6  | 26.7  | 27.0  | 26.8  | 27.4  |
| 70°   | 22.6  | 21.8  | 20.7  | 20.1   | 20.3  | 19.4  | 18.9  | 18.9  | 19.0  | 19.2  | 19.4  |
| 72.5° | 15.1  | 13.9  | 13.5  | 13.1   | 12.8  | 12.2  | 12.5  | 12.5  | 12.4  | 12.5  | 12.2  |
| 75°   | 8.6   | 7.9   | 7.5   | 7.4    | 7.1   | 7.1   | 7.1   | 7.1   | 7.0   | 6.8   | 6.8   |
| 77.5° | 3.8   | 3.6   | 3.4   | 3.3    | 3.3   | 3.3   | 3.1   | 2.9   | 2.9   | 2.9   | 2.9   |
| 80°   | 1.2   | 1.2   | 1.2   | 1.2    | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   |
| 82.5° | 0.5   | 0.5   | 0.7   | 0.7    | 0.7   | 0.5   | 0.7   | 0.7   | 0.5   | 0.5   | 0.7   |
| 85°   | 0.3   | 0.3   | 0.3   | 0.3    | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   |
| 87.5° | 0.2   | 0.2   | 0.2   | 0.0    | 0.2   | 0.2   | 0.2   | 0.2   | 0.0   | 0.2   | 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: P856833

CATALOG NUMBER: LX4C10D010 EX4C109835 4LBLWW\*

**CANDELA DISTRIBUTION (continued):**

|       | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0°    | 378.2 | 378.2 | 378.2  | 378.2 | 378.2 | 378.2 | 378.2 | 378.2 |
| 2.5°  | 379.3 | 379.4 | 379.4  | 379.4 | 379.6 | 379.6 | 379.6 | 379.6 |
| 5°    | 378.3 | 378.5 | 378.5  | 378.5 | 378.5 | 378.5 | 378.5 | 378.5 |
| 7.5°  | 376.6 | 376.8 | 376.8  | 376.9 | 376.9 | 377.0 | 377.0 | 377.1 |
| 10°   | 374.6 | 374.9 | 375.1  | 375.2 | 375.3 | 375.4 | 375.4 | 375.6 |
| 12.5° | 372.5 | 372.7 | 372.9  | 373.2 | 373.5 | 373.6 | 373.7 | 373.9 |
| 15°   | 369.4 | 369.9 | 370.2  | 370.3 | 370.9 | 371.2 | 371.3 | 371.5 |
| 17.5° | 364.4 | 365.5 | 366.0  | 366.2 | 366.8 | 367.4 | 367.8 | 367.9 |
| 20°   | 357.3 | 358.6 | 359.1  | 359.8 | 360.7 | 361.4 | 361.7 | 362.0 |
| 22.5° | 347.3 | 348.8 | 349.7  | 350.5 | 351.2 | 351.9 | 353.0 | 352.6 |
| 25°   | 333.2 | 335.6 | 336.5  | 337.0 | 338.5 | 339.4 | 339.9 | 339.4 |
| 27.5° | 317.2 | 318.6 | 319.5  | 320.5 | 321.7 | 322.5 | 322.8 | 323.6 |
| 30°   | 298.0 | 300.5 | 300.3  | 301.3 | 302.7 | 303.6 | 303.9 | 304.6 |
| 32.5° | 278.2 | 279.3 | 280.2  | 280.0 | 280.6 | 282.1 | 281.6 | 282.9 |
| 35°   | 257.0 | 257.2 | 258.6  | 258.4 | 259.6 | 259.6 | 259.6 | 260.4 |
| 37.5° | 234.4 | 236.1 | 235.4  | 237.1 | 236.6 | 237.0 | 237.0 | 237.3 |
| 40°   | 213.8 | 214.5 | 214.5  | 215.0 | 215.4 | 215.0 | 215.3 | 216.0 |
| 42.5° | 192.5 | 193.2 | 193.2  | 193.0 | 193.4 | 194.7 | 193.7 | 194.6 |
| 45°   | 172.6 | 173.1 | 173.7  | 173.3 | 174.0 | 173.5 | 174.0 | 173.7 |
| 47.5° | 153.9 | 153.8 | 153.6  | 154.8 | 153.8 | 153.9 | 154.5 | 153.5 |
| 50°   | 134.7 | 135.6 | 135.0  | 135.5 | 135.7 | 135.7 | 135.4 | 135.4 |
| 52.5° | 117.7 | 117.6 | 117.2  | 117.6 | 117.3 | 117.4 | 117.7 | 117.4 |
| 55°   | 100.1 | 100.7 | 100.4  | 100.2 | 100.4 | 100.4 | 101.2 | 100.1 |
| 57.5° | 82.8  | 82.5  | 82.9   | 83.9  | 82.9  | 83.6  | 84.1  | 84.2  |
| 60°   | 66.3  | 66.3  | 67.1   | 66.7  | 67.6  | 68.3  | 68.8  | 68.6  |
| 62.5° | 50.6  | 51.3  | 51.5   | 51.7  | 52.5  | 53.1  | 53.1  | 53.0  |
| 65°   | 37.5  | 38.5  | 38.5   | 39.1  | 39.3  | 39.3  | 39.6  | 40.2  |
| 67.5° | 27.7  | 27.7  | 27.8   | 28.1  | 28.0  | 28.0  | 28.3  | 28.4  |
| 70°   | 19.4  | 19.0  | 19.4   | 19.4  | 19.4  | 19.2  | 19.4  | 19.4  |
| 72.5° | 12.2  | 12.2  | 12.4   | 12.2  | 11.9  | 12.0  | 12.0  | 12.4  |
| 75°   | 6.5   | 6.8   | 6.5    | 6.5   | 6.7   | 6.4   | 6.5   | 6.7   |
| 77.5° | 2.7   | 2.7   | 2.7    | 2.7   | 2.7   | 2.6   | 2.6   | 2.6   |
| 80°   | 1.2   | 1.2   | 1.2    | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   |
| 82.5° | 0.5   | 0.7   | 0.5    | 0.7   | 0.5   | 0.5   | 0.5   | 0.5   |
| 85°   | 0.3   | 0.3   | 0.3    | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   |
| 87.5° | 0.0   | 0.2   | 0.0    | 0.2   | 0.0   | 0.0   | 0.0   | 0.2   |
| 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)