

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: P245424

Luminaire Tested: **LD8B10D010 ER8B10935 8LBSW0WH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245424  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-53)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B10D010 ER8B10935 8LBSW0WH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 3500 CCT WITH WHEAT TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 991.0 lumens  
Efficiency: N/A  
Efficacy: 97.2 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.2 / 1.11  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

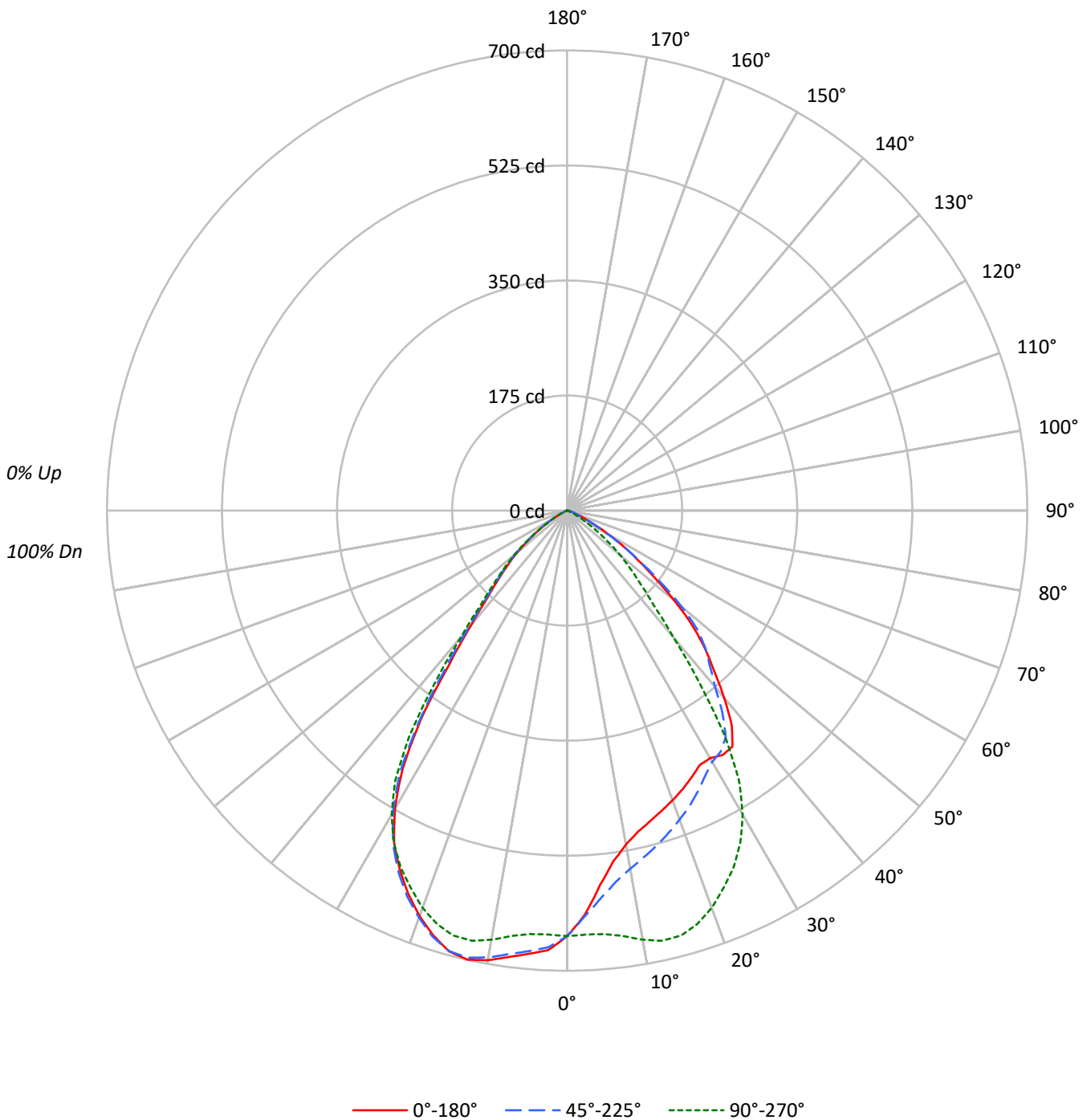
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: LD8B10D010 ER8B10935 8LBSW0WH

### Luminous Intensity Polar Plot





TEST NUMBER: P245424

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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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 97  | 96  | 96  | 94  | 93  | 91  |
| 2   | 105 | 99  | 95  | 91  | 103 | 98  | 93  | 90  | 94  | 91  | 88  | 91  | 88  | 86  | 88  | 86  | 84  | 82  |
| 3   | 99  | 91  | 85  | 80  | 96  | 89  | 84  | 79  | 87  | 82  | 78  | 84  | 80  | 77  | 82  | 78  | 76  | 74  |
| 4   | 92  | 83  | 76  | 71  | 90  | 82  | 76  | 71  | 80  | 74  | 70  | 77  | 73  | 69  | 76  | 72  | 68  | 67  |
| 5   | 86  | 76  | 69  | 64  | 84  | 75  | 69  | 64  | 73  | 68  | 63  | 72  | 66  | 63  | 70  | 65  | 62  | 60  |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 57  | 65  | 60  | 56  | 55  |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 52  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 50  |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 53  | 48  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 47  | 46  |
| 9   | 67  | 56  | 49  | 44  | 66  | 55  | 49  | 44  | 54  | 48  | 44  | 53  | 48  | 44  | 52  | 47  | 44  | 42  |
| 10  | 63  | 52  | 45  | 41  | 62  | 52  | 45  | 41  | 51  | 45  | 41  | 50  | 44  | 40  | 49  | 44  | 40  | 39  |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 19963 | 19963 | 19963 |
| 5°  | 17712 | 20012 | 20950 |
| 10° | 16148 | 20757 | 21746 |
| 15° | 15608 | 21364 | 22162 |
| 20° | 15384 | 21100 | 21533 |
| 25° | 15233 | 20374 | 20500 |
| 30° | 15482 | 19010 | 18661 |
| 35° | 16499 | 15732 | 14595 |
| 40° | 14954 | 10072 | 9122  |
| 45° | 12908 | 6890  | 6415  |
| 50° | 10185 | 5028  | 4735  |
| 55° | 7070  | 3091  | 2908  |
| 60° | 4502  | 1560  | 1394  |
| 65° | 2247  | 620   | 474   |
| 70° | 1244  | 307   | 171   |
| 75° | 894   | 226   | 83    |
| 80° | 728   | 160   | 36    |
| 85° | 778   | 106   | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 60.3   | 6.1       |
| 10°-20°   | 174.3  | 17.6      |
| 20°-30°   | 253.0  | 25.5      |
| 30°-40°   | 249.1  | 25.1      |
| 40°-50°   | 156.2  | 15.8      |
| 50°-60°   | 75.4   | 7.6       |
| 60°-70°   | 18.2   | 1.8       |
| 70°-80°   | 3.7    | 0.4       |
| 80°-90°   | 0.9    | 0.1       |
| 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°    | 487.6  | 49.2      |
| 0°-40°    | 736.7  | 74.3      |
| 0°-60°    | 968.2  | 97.7      |
| 0°-90°    | 991.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 991.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 647 | 647 | 647 | 647  | 647  |      |
| 5°  | 572 | 592 | 646 | 673  | 677  | 53   |
| 15° | 489 | 527 | 669 | 694  | 694  | 138  |
| 25° | 448 | 471 | 599 | 607  | 602  | 207  |
| 35° | 438 | 420 | 418 | 394  | 388  | 265  |
| 45° | 296 | 298 | 158 | 151  | 147  | 226  |
| 55° | 132 | 136 | 58  | 57   | 54   | 121  |
| 65° | 31  | 30  | 8   | 7    | 6    | 35   |
| 75° | 8   | 6   | 2   | 1    | 1    | 8    |
| 85° | 2   | 2   | 0   | 0    | 0    | 2    |
| 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°    | 647.4 | 647.4 | 647.4 | 647.4 | 647.4 | 647.4 | 647.4 | 647.4 | 647.4 | 647.4 | 647.4 |
| 2.5°  | 615.4 | 611.5 | 604.2 | 613.0 | 613.0 | 608.1 | 618.0 | 612.0 | 616.8 | 624.3 | 617.6 |
| 5°    | 572.2 | 569.0 | 562.9 | 572.2 | 573.4 | 568.8 | 580.7 | 576.3 | 583.3 | 592.5 | 591.6 |
| 7.5°  | 538.0 | 533.9 | 528.3 | 538.0 | 539.9 | 536.8 | 548.2 | 546.2 | 555.4 | 567.3 | 569.3 |
| 10°   | 515.7 | 511.5 | 506.6 | 515.4 | 516.8 | 514.7 | 526.3 | 525.1 | 534.1 | 547.9 | 553.3 |
| 12.5° | 499.9 | 496.4 | 490.9 | 500.3 | 501.8 | 498.9 | 509.8 | 509.3 | 518.6 | 533.1 | 539.9 |
| 15°   | 488.9 | 484.6 | 479.7 | 487.7 | 489.7 | 486.5 | 496.9 | 495.8 | 505.4 | 519.7 | 527.3 |
| 17.5° | 478.5 | 474.6 | 469.5 | 477.0 | 479.0 | 475.6 | 485.8 | 484.1 | 492.3 | 505.9 | 513.7 |
| 20°   | 468.8 | 464.5 | 460.0 | 467.6 | 468.8 | 464.9 | 475.1 | 472.9 | 480.2 | 492.8 | 500.4 |
| 22.5° | 458.8 | 454.3 | 449.6 | 457.1 | 458.2 | 454.3 | 463.7 | 461.1 | 467.9 | 479.3 | 486.3 |
| 25°   | 447.7 | 443.6 | 438.9 | 445.8 | 446.9 | 442.6 | 452.5 | 449.2 | 455.2 | 465.2 | 471.0 |
| 27.5° | 436.6 | 432.7 | 427.5 | 434.6 | 435.1 | 431.0 | 440.0 | 435.6 | 440.6 | 449.7 | 454.7 |
| 30°   | 434.8 | 430.4 | 424.9 | 430.7 | 430.9 | 425.6 | 434.1 | 428.8 | 431.5 | 438.3 | 441.2 |
| 32.5° | 440.7 | 436.3 | 430.7 | 435.5 | 434.9 | 429.2 | 437.3 | 430.9 | 431.7 | 435.3 | 434.6 |
| 35°   | 438.3 | 433.1 | 426.4 | 431.5 | 431.5 | 424.6 | 432.7 | 425.1 | 424.2 | 424.7 | 420.5 |
| 37.5° | 411.3 | 407.2 | 400.9 | 405.9 | 405.3 | 400.1 | 406.4 | 400.1 | 397.2 | 396.0 | 388.3 |
| 40°   | 371.5 | 366.6 | 361.8 | 367.1 | 367.6 | 362.0 | 370.1 | 363.0 | 362.1 | 358.7 | 349.7 |
| 42.5° | 331.2 | 329.5 | 324.9 | 329.3 | 331.7 | 326.9 | 333.7 | 330.3 | 330.8 | 330.0 | 321.5 |
| 45°   | 296.0 | 293.1 | 289.7 | 294.8 | 296.3 | 293.9 | 300.7 | 298.7 | 300.7 | 305.0 | 298.0 |
| 47.5° | 258.0 | 255.1 | 251.4 | 256.9 | 259.6 | 255.1 | 260.9 | 260.3 | 263.3 | 270.6 | 269.9 |
| 50°   | 212.3 | 210.2 | 209.6 | 210.2 | 211.9 | 209.9 | 214.0 | 214.2 | 216.2 | 226.2 | 226.9 |
| 52.5° | 168.1 | 167.5 | 165.2 | 167.4 | 167.4 | 164.1 | 168.2 | 166.4 | 168.4 | 175.2 | 179.6 |
| 55°   | 131.5 | 131.0 | 129.4 | 131.5 | 129.3 | 128.1 | 129.3 | 127.4 | 125.9 | 131.1 | 135.7 |
| 57.5° | 102.4 | 100.7 | 98.8  | 99.7  | 99.5  | 97.0  | 98.3  | 96.1  | 94.9  | 96.8  | 100.9 |
| 60°   | 73.0  | 72.5  | 70.8  | 71.6  | 72.3  | 70.4  | 71.8  | 70.8  | 68.7  | 70.3  | 70.4  |
| 62.5° | 48.5  | 48.8  | 47.8  | 48.0  | 47.5  | 47.1  | 48.0  | 48.5  | 48.0  | 47.3  | 47.5  |
| 65°   | 30.8  | 30.6  | 30.4  | 30.6  | 31.0  | 30.3  | 30.8  | 31.1  | 30.6  | 30.6  | 30.4  |
| 67.5° | 20.4  | 19.9  | 19.4  | 19.7  | 20.1  | 19.6  | 20.1  | 19.9  | 20.1  | 19.9  | 19.4  |
| 70°   | 13.8  | 13.6  | 13.4  | 13.6  | 13.6  | 13.3  | 13.6  | 13.4  | 13.6  | 13.4  | 12.9  |
| 72.5° | 10.0  | 10.0  | 9.9   | 10.0  | 10.0  | 9.7   | 9.9   | 9.5   | 9.7   | 9.5   | 9.2   |
| 75°   | 7.5   | 7.5   | 7.3   | 7.5   | 7.3   | 7.1   | 7.3   | 7.1   | 6.8   | 6.8   | 6.5   |
| 77.5° | 5.4   | 5.4   | 5.4   | 5.4   | 5.4   | 5.3   | 5.3   | 5.1   | 4.9   | 4.8   | 4.8   |
| 80°   | 4.1   | 3.9   | 3.9   | 3.9   | 3.9   | 3.7   | 3.9   | 3.7   | 3.6   | 3.4   | 3.2   |
| 82.5° | 2.9   | 3.1   | 2.9   | 2.9   | 2.9   | 2.7   | 2.9   | 2.7   | 2.7   | 2.6   | 2.2   |
| 85°   | 2.2   | 2.2   | 2.2   | 2.2   | 2.2   | 2.0   | 2.0   | 2.0   | 1.9   | 1.9   | 1.7   |
| 87.5° | 1.2   | 1.2   | 1.2   | 1.4   | 1.2   | 1.2   | 1.2   | 1.0   | 1.0   | 0.9   | 0.9   |
| 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°    | 647.4 | 647.4 | 647.4 | 647.4 | 647.4 | 647.4 | 647.4 | 647.4 | 647.4 | 647.4 | 647.4 |
| 2.5°  | 626.5 | 627.3 | 625.5 | 628.3 | 639.6 | 630.6 | 634.3 | 635.5 | 644.0 | 645.5 | 644.5 |
| 5°    | 602.7 | 606.4 | 608.8 | 615.3 | 627.7 | 621.2 | 627.8 | 632.1 | 643.0 | 646.5 | 647.4 |
| 7.5°  | 584.0 | 591.8 | 597.6 | 608.1 | 622.7 | 617.8 | 627.8 | 634.8 | 648.1 | 652.7 | 654.9 |
| 10°   | 570.0 | 581.9 | 591.9 | 606.4 | 622.9 | 619.7 | 632.8 | 642.6 | 657.4 | 662.9 | 665.6 |
| 12.5° | 559.5 | 573.9 | 587.4 | 605.7 | 623.6 | 622.1 | 637.9 | 649.1 | 664.8 | 670.2 | 673.4 |
| 15°   | 547.9 | 564.6 | 580.2 | 600.8 | 620.0 | 619.7 | 636.7 | 648.6 | 664.6 | 669.2 | 672.2 |
| 17.5° | 534.1 | 552.0 | 569.2 | 591.4 | 610.5 | 610.8 | 628.0 | 639.7 | 655.4 | 659.1 | 661.2 |
| 20°   | 520.2 | 537.9 | 555.0 | 578.0 | 596.7 | 597.2 | 614.1 | 624.9 | 639.9 | 643.0 | 643.5 |
| 22.5° | 505.4 | 521.9 | 539.0 | 561.8 | 579.9 | 580.2 | 596.9 | 607.1 | 619.8 | 621.4 | 622.7 |
| 25°   | 488.5 | 504.7 | 520.8 | 543.5 | 560.6 | 561.7 | 576.8 | 585.8 | 597.6 | 598.8 | 599.3 |
| 27.5° | 471.0 | 484.3 | 499.8 | 519.1 | 536.5 | 535.8 | 550.1 | 560.3 | 570.9 | 570.2 | 570.0 |
| 30°   | 453.3 | 464.4 | 473.9 | 492.6 | 505.4 | 505.9 | 519.3 | 524.2 | 535.3 | 533.9 | 533.8 |
| 32.5° | 440.9 | 443.8 | 446.3 | 455.9 | 467.9 | 463.7 | 472.9 | 479.0 | 486.7 | 486.1 | 486.3 |
| 35°   | 418.1 | 412.8 | 405.2 | 406.5 | 413.9 | 407.2 | 412.2 | 412.0 | 419.8 | 417.9 | 420.1 |
| 37.5° | 379.2 | 364.2 | 347.2 | 337.5 | 338.8 | 330.5 | 328.8 | 332.9 | 335.6 | 330.3 | 332.2 |
| 40°   | 337.6 | 315.5 | 289.0 | 266.9 | 265.7 | 255.3 | 253.4 | 249.4 | 254.6 | 250.2 | 251.6 |
| 42.5° | 307.0 | 277.8 | 242.9 | 216.0 | 210.2 | 201.6 | 196.5 | 195.8 | 197.3 | 194.3 | 193.4 |
| 45°   | 283.6 | 252.4 | 212.5 | 181.7 | 175.2 | 165.8 | 160.7 | 158.9 | 159.0 | 158.0 | 157.2 |
| 47.5° | 256.0 | 224.7 | 184.2 | 152.7 | 145.4 | 136.6 | 131.5 | 130.3 | 131.0 | 129.6 | 128.6 |
| 50°   | 217.9 | 189.8 | 152.9 | 124.2 | 117.7 | 111.2 | 107.2 | 106.0 | 105.8 | 104.8 | 104.1 |
| 52.5° | 176.9 | 153.6 | 121.6 | 97.6  | 91.9  | 85.6  | 82.7  | 81.1  | 81.3  | 80.3  | 79.3  |
| 55°   | 136.9 | 122.5 | 94.2  | 73.8  | 68.6  | 63.6  | 60.9  | 59.0  | 58.5  | 57.5  | 57.0  |
| 57.5° | 101.9 | 92.2  | 70.6  | 53.2  | 50.2  | 45.4  | 42.7  | 40.5  | 40.1  | 39.6  | 39.5  |
| 60°   | 71.4  | 64.5  | 49.7  | 37.9  | 34.4  | 31.5  | 28.7  | 26.5  | 25.5  | 25.3  | 24.8  |
| 62.5° | 46.3  | 42.0  | 32.7  | 25.3  | 22.6  | 20.6  | 17.9  | 16.3  | 15.6  | 15.0  | 15.1  |
| 65°   | 28.7  | 25.5  | 20.4  | 16.3  | 14.8  | 13.3  | 11.2  | 9.9   | 9.2   | 8.5   | 8.7   |
| 67.5° | 17.9  | 16.0  | 12.9  | 10.5  | 9.5   | 8.3   | 6.8   | 5.8   | 5.3   | 4.8   | 4.4   |
| 70°   | 12.1  | 10.4  | 8.8   | 7.5   | 6.8   | 6.0   | 4.9   | 4.1   | 3.7   | 3.4   | 3.1   |
| 72.5° | 8.5   | 7.7   | 6.5   | 5.6   | 5.1   | 4.4   | 3.7   | 3.2   | 2.9   | 2.6   | 2.2   |
| 75°   | 6.1   | 5.4   | 4.8   | 4.1   | 3.7   | 3.4   | 2.9   | 2.6   | 2.2   | 1.9   | 1.5   |
| 77.5° | 4.4   | 3.9   | 3.4   | 3.1   | 2.9   | 2.4   | 2.0   | 1.9   | 1.7   | 1.4   | 1.0   |
| 80°   | 3.1   | 2.7   | 2.2   | 2.0   | 2.0   | 1.7   | 1.5   | 1.4   | 1.2   | 0.9   | 0.7   |
| 82.5° | 2.0   | 1.9   | 1.7   | 1.5   | 1.4   | 1.2   | 1.2   | 0.9   | 0.7   | 0.5   | 0.3   |
| 85°   | 1.5   | 1.4   | 1.2   | 1.0   | 1.0   | 0.9   | 0.7   | 0.5   | 0.5   | 0.3   | 0.2   |
| 87.5° | 0.9   | 0.9   | 0.7   | 0.5   | 0.5   | 0.3   | 0.3   | 0.2   | 0.2   | 0.2   | 0.2   |
| 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°    | 647.4 | 647.4 | 647.4 | 647.4  | 647.4 | 647.4 | 647.4 | 647.4 | 647.4 | 647.4 | 647.4 |
| 2.5°  | 653.2 | 653.7 | 656.6 | 654.4  | 660.0 | 664.1 | 662.0 | 666.6 | 665.1 | 664.8 | 670.0 |
| 5°    | 657.6 | 658.8 | 662.7 | 660.7  | 666.8 | 671.2 | 669.2 | 674.3 | 672.7 | 672.4 | 677.8 |
| 7.5°  | 666.1 | 667.3 | 670.7 | 669.0  | 675.5 | 679.4 | 676.8 | 682.4 | 680.4 | 680.2 | 685.5 |
| 10°   | 676.8 | 678.5 | 681.4 | 679.7  | 685.7 | 689.1 | 686.5 | 692.0 | 690.1 | 689.2 | 695.0 |
| 12.5° | 684.8 | 686.0 | 688.9 | 687.5  | 693.3 | 695.9 | 693.7 | 698.9 | 696.6 | 695.9 | 701.0 |
| 15°   | 683.0 | 684.1 | 686.5 | 685.3  | 690.8 | 693.2 | 690.3 | 696.0 | 693.7 | 692.3 | 696.9 |
| 17.5° | 671.0 | 671.7 | 673.4 | 672.2  | 678.0 | 679.5 | 676.3 | 682.1 | 679.9 | 677.5 | 681.9 |
| 20°   | 653.5 | 653.2 | 654.2 | 653.7  | 658.5 | 659.3 | 657.3 | 661.5 | 659.0 | 657.6 | 660.2 |
| 22.5° | 631.8 | 631.4 | 632.1 | 630.7  | 635.5 | 636.0 | 632.9 | 638.0 | 635.5 | 632.9 | 637.2 |
| 25°   | 607.6 | 605.7 | 605.4 | 605.9  | 609.1 | 609.6 | 606.4 | 610.1 | 606.9 | 604.9 | 609.0 |
| 27.5° | 577.8 | 575.4 | 574.9 | 575.4  | 578.7 | 576.3 | 573.6 | 576.3 | 573.1 | 571.2 | 573.7 |
| 30°   | 541.1 | 537.7 | 536.2 | 535.1  | 538.5 | 537.7 | 531.4 | 534.5 | 529.4 | 526.6 | 528.5 |
| 32.5° | 491.6 | 489.7 | 485.6 | 483.3  | 486.5 | 480.0 | 476.1 | 476.1 | 474.1 | 469.5 | 470.5 |
| 35°   | 422.9 | 420.0 | 416.2 | 414.2  | 414.7 | 406.0 | 399.6 | 400.9 | 394.1 | 392.9 | 393.4 |
| 37.5° | 335.9 | 331.2 | 329.8 | 325.6  | 326.6 | 318.9 | 310.1 | 310.3 | 306.7 | 302.9 | 301.8 |
| 40°   | 252.4 | 251.6 | 250.2 | 246.6  | 248.0 | 239.7 | 236.3 | 236.4 | 234.1 | 231.3 | 232.7 |
| 42.5° | 195.1 | 192.4 | 191.5 | 190.3  | 190.7 | 189.3 | 184.9 | 185.4 | 183.4 | 182.7 | 182.0 |
| 45°   | 158.5 | 155.6 | 153.6 | 154.6  | 154.6 | 153.1 | 151.4 | 152.4 | 151.4 | 150.0 | 150.7 |
| 47.5° | 130.6 | 127.9 | 126.9 | 126.7  | 127.9 | 126.9 | 125.2 | 125.5 | 125.4 | 124.9 | 124.5 |
| 50°   | 104.3 | 103.6 | 102.7 | 102.2  | 102.7 | 102.4 | 100.9 | 101.7 | 102.2 | 100.5 | 101.0 |
| 52.5° | 79.4  | 79.4  | 79.3  | 78.1   | 79.1  | 78.1  | 77.9  | 78.2  | 77.7  | 77.1  | 76.9  |
| 55°   | 58.2  | 57.7  | 56.8  | 56.6   | 57.0  | 56.6  | 56.3  | 56.5  | 56.8  | 55.1  | 55.1  |
| 57.5° | 39.8  | 39.5  | 39.0  | 39.0   | 39.6  | 38.8  | 38.3  | 39.0  | 38.3  | 37.6  | 37.6  |
| 60°   | 25.5  | 25.3  | 24.8  | 24.8   | 24.8  | 24.7  | 24.2  | 24.3  | 24.7  | 23.6  | 23.8  |
| 62.5° | 15.3  | 14.8  | 14.6  | 14.5   | 14.6  | 14.5  | 14.5  | 14.3  | 14.1  | 14.1  | 13.6  |
| 65°   | 8.3   | 8.0   | 7.7   | 7.8    | 7.8   | 7.7   | 7.7   | 7.7   | 7.3   | 7.1   | 7.0   |
| 67.5° | 4.3   | 3.9   | 3.9   | 3.7    | 3.7   | 3.7   | 3.7   | 3.6   | 3.6   | 3.6   | 3.4   |
| 70°   | 2.7   | 2.6   | 2.4   | 2.4    | 2.4   | 2.2   | 2.2   | 2.2   | 2.2   | 2.2   | 2.0   |
| 72.5° | 1.9   | 1.7   | 1.5   | 1.5    | 1.5   | 1.4   | 1.4   | 1.4   | 1.4   | 1.2   | 1.2   |
| 75°   | 1.4   | 1.2   | 1.0   | 1.0    | 1.0   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   |
| 77.5° | 0.9   | 0.7   | 0.7   | 0.7    | 0.7   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.3   |
| 80°   | 0.5   | 0.5   | 0.3   | 0.3    | 0.3   | 0.3   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 82.5° | 0.3   | 0.3   | 0.2   | 0.2    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.0   |
| 85°   | 0.2   | 0.2   | 0.2   | 0.2    | 0.2   | 0.2   | 0.2   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 0.2   | 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   |





TEST NUMBER: P245424

CATALOG NUMBER: LD8B10D010 ER8B10935 8LBSW0WH

**CANDELA DISTRIBUTION (continued):**

|       | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0°    | 647.4 | 647.4 | 647.4  | 647.4 | 647.4 | 647.4 | 647.4 | 647.4 |
| 2.5°  | 668.2 | 666.8 | 667.6  | 673.9 | 671.2 | 670.4 | 663.2 | 669.5 |
| 5°    | 676.1 | 675.1 | 675.1  | 682.3 | 679.0 | 678.4 | 671.4 | 676.8 |
| 7.5°  | 683.6 | 682.6 | 682.8  | 690.1 | 687.5 | 686.5 | 679.5 | 685.0 |
| 10°   | 693.3 | 692.6 | 692.8  | 699.8 | 697.1 | 696.0 | 688.9 | 694.5 |
| 12.5° | 699.1 | 698.1 | 698.1  | 705.6 | 702.5 | 701.0 | 694.2 | 699.6 |
| 15°   | 694.7 | 693.2 | 693.2  | 700.6 | 697.2 | 695.0 | 689.1 | 694.2 |
| 17.5° | 679.5 | 678.0 | 678.0  | 684.5 | 681.9 | 678.7 | 672.6 | 677.3 |
| 20°   | 658.5 | 656.6 | 656.1  | 663.6 | 660.0 | 657.1 | 651.7 | 656.2 |
| 22.5° | 634.6 | 633.8 | 632.3  | 639.7 | 636.5 | 633.5 | 627.7 | 631.2 |
| 25°   | 606.1 | 604.7 | 603.2  | 610.5 | 607.3 | 604.2 | 599.6 | 602.5 |
| 27.5° | 570.5 | 570.7 | 569.8  | 575.6 | 572.4 | 570.7 | 565.1 | 569.8 |
| 30°   | 527.5 | 525.6 | 524.9  | 531.7 | 528.7 | 526.5 | 519.5 | 524.1 |
| 32.5° | 471.3 | 468.6 | 465.1  | 472.7 | 467.4 | 465.6 | 459.6 | 466.2 |
| 35°   | 389.7 | 388.8 | 385.6  | 392.1 | 389.2 | 385.8 | 382.0 | 387.7 |
| 37.5° | 301.2 | 301.9 | 301.6  | 303.3 | 301.6 | 299.4 | 295.3 | 293.3 |
| 40°   | 230.0 | 228.3 | 226.9  | 230.0 | 226.4 | 226.4 | 224.0 | 226.6 |
| 42.5° | 180.3 | 179.6 | 181.3  | 182.0 | 180.0 | 179.6 | 179.3 | 179.1 |
| 45°   | 148.8 | 148.8 | 149.2  | 149.9 | 149.2 | 148.8 | 147.8 | 147.1 |
| 47.5° | 122.6 | 123.3 | 122.6  | 124.9 | 123.7 | 123.3 | 121.3 | 122.1 |
| 50°   | 99.3  | 98.5  | 99.3   | 100.0 | 100.2 | 99.2  | 98.1  | 98.7  |
| 52.5° | 77.1  | 75.7  | 75.4   | 76.4  | 75.7  | 75.7  | 75.0  | 74.8  |
| 55°   | 54.3  | 54.8  | 53.9   | 54.8  | 54.4  | 53.9  | 53.4  | 54.1  |
| 57.5° | 36.7  | 36.9  | 36.6   | 37.1  | 36.2  | 36.4  | 36.2  | 36.1  |
| 60°   | 23.8  | 23.1  | 23.1   | 23.6  | 22.8  | 22.8  | 22.6  | 22.6  |
| 62.5° | 13.6  | 13.4  | 13.4   | 13.3  | 13.1  | 13.1  | 13.1  | 12.8  |
| 65°   | 7.0   | 6.8   | 6.6    | 6.6   | 6.6   | 6.6   | 6.5   | 6.5   |
| 67.5° | 3.4   | 3.2   | 3.2    | 3.4   | 3.2   | 3.2   | 3.2   | 3.2   |
| 70°   | 2.0   | 2.0   | 1.9    | 2.0   | 1.9   | 1.9   | 1.9   | 1.9   |
| 72.5° | 1.2   | 1.2   | 1.2    | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   |
| 75°   | 0.7   | 0.7   | 0.7    | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   |
| 77.5° | 0.5   | 0.3   | 0.3    | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   |
| 80°   | 0.2   | 0.2   | 0.2    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 82.5° | 0.0   | 0.0   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 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   |

(END OF REPORT)