

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: P244633

Luminaire Tested: **LSR8B15D010 EC8B15935 8LBDW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244633  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13957)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B15D010 EC8B15935 8LBDW0H  
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1335.0 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.18  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

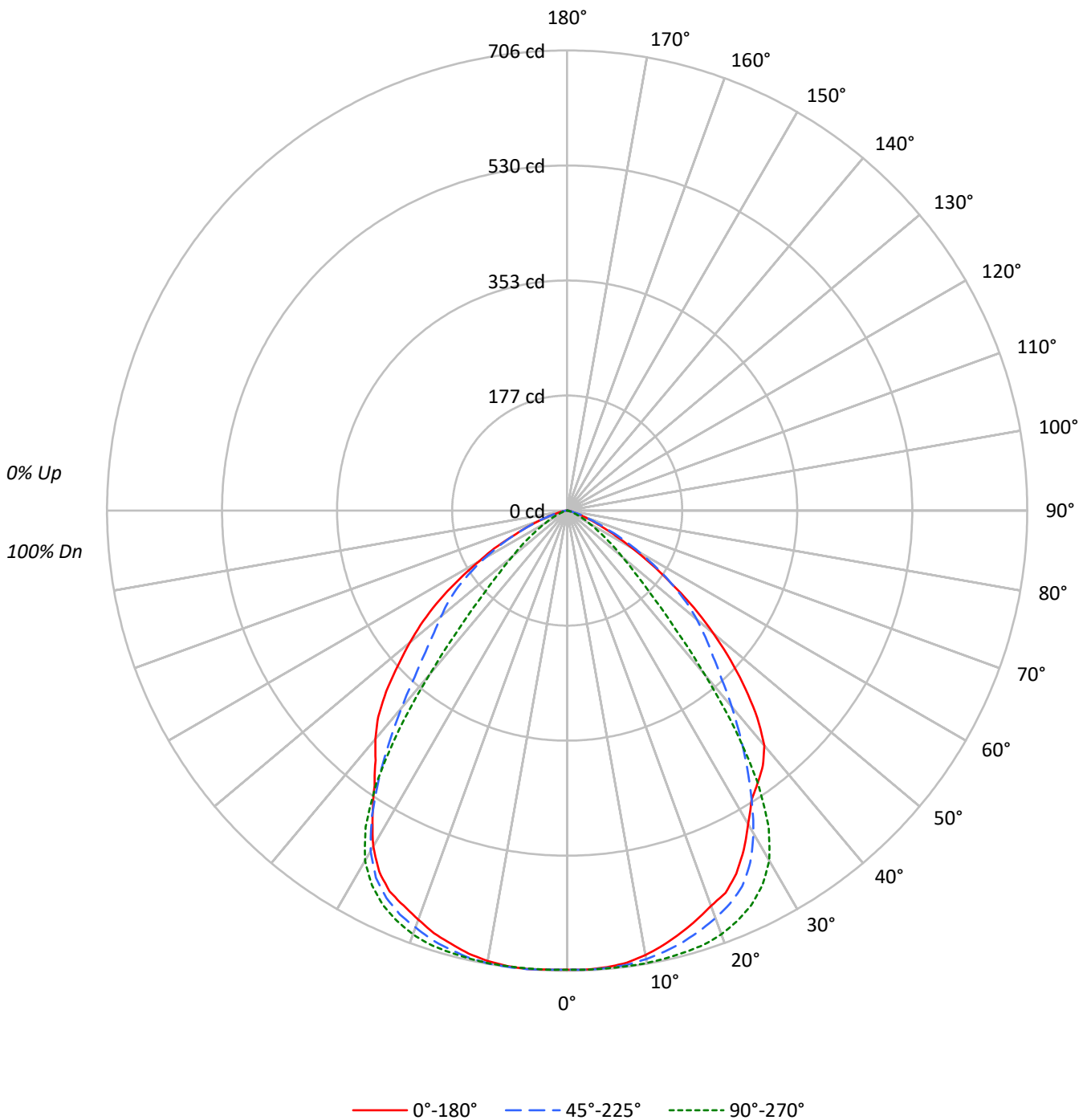
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P244633

CATALOG NUMBER: LSR8B15D010 EC8B15935 8LBDW0H

### Luminous Intensity Polar Plot





TEST NUMBER: P244633

CATALOG NUMBER: LSR8B15D010 EC8B15935 8LBDW0H

**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 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99  | 97  | 98  | 96  | 94  | 94  | 93  | 91  | 90  |
| 2   | 104 | 97  | 92  | 88  | 101 | 96  | 91  | 87  | 92  | 88  | 85  | 89  | 86  | 83  | 86  | 83  | 81  | 79  |
| 3   | 96  | 88  | 81  | 76  | 94  | 86  | 80  | 75  | 84  | 78  | 74  | 81  | 77  | 73  | 79  | 75  | 72  | 70  |
| 4   | 89  | 80  | 72  | 67  | 87  | 78  | 72  | 66  | 76  | 70  | 66  | 74  | 69  | 65  | 72  | 67  | 64  | 62  |
| 5   | 83  | 72  | 65  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  | 68  | 62  | 58  | 66  | 61  | 57  | 55  |
| 6   | 78  | 66  | 58  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 50  |
| 7   | 72  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 46  | 42  | 41  |
| 9   | 64  | 52  | 44  | 39  | 62  | 51  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 37  |
| 10  | 60  | 48  | 41  | 36  | 59  | 48  | 41  | 36  | 47  | 40  | 36  | 46  | 40  | 36  | 45  | 40  | 36  | 34  |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 21721 | 21721 | 21721 |
| 5°  | 21767 | 21826 | 21851 |
| 10° | 21677 | 22069 | 21972 |
| 15° | 21437 | 22388 | 21967 |
| 20° | 21179 | 22705 | 21911 |
| 25° | 20904 | 22732 | 21932 |
| 30° | 19776 | 22090 | 21190 |
| 35° | 19187 | 19199 | 19398 |
| 40° | 18948 | 13211 | 18416 |
| 45° | 16885 | 7933  | 17117 |
| 50° | 14037 | 5277  | 15126 |
| 55° | 10526 | 3640  | 12827 |
| 60° | 7136  | 2424  | 9676  |
| 65° | 4305  | 1576  | 6647  |
| 70° | 2389  | 857   | 4093  |
| 75° | 1084  | 357   | 2121  |
| 80° | 941   | 408   | 1474  |
| 85° | 1061  | 531   | 1486  |



TEST NUMBER: P244633

CATALOG NUMBER: LSR8B15D010 EC8B15935 8LBDW0H

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 67.2   | 5.0       |
| 10°-20°   | 195.2  | 14.6      |
| 20°-30°   | 296.3  | 22.2      |
| 30°-40°   | 311.2  | 23.3      |
| 40°-50°   | 233.3  | 17.5      |
| 50°-60°   | 149.7  | 11.2      |
| 60°-70°   | 64.0   | 4.8       |
| 70°-80°   | 15.1   | 1.1       |
| 80°-90°   | 2.8    | 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°    | 558.8  | 41.9      |
| 0°-40°    | 870.0  | 65.2      |
| 0°-60°    | 1253.0 | 93.9      |
| 0°-90°    | 1335.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1335.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 704 | 704 | 704 | 704  | 704  |      |
| 5°  | 703 | 704 | 705 | 706  | 706  | 67   |
| 15° | 672 | 686 | 701 | 697  | 688  | 189  |
| 25° | 614 | 636 | 668 | 656  | 645  | 281  |
| 35° | 510 | 481 | 510 | 504  | 515  | 320  |
| 45° | 387 | 316 | 182 | 307  | 392  | 296  |
| 55° | 196 | 196 | 68  | 204  | 239  | 178  |
| 65° | 59  | 70  | 22  | 90   | 91   | 63   |
| 75° | 9   | 11  | 3   | 18   | 18   | 13   |
| 85° | 3   | 2   | 2   | 3    | 4    | 3    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P244633

CATALOG NUMBER: LSR8B15D010 EC8B15935 8LBDW0H

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 |
| 2.5°  | 704.8 | 705.5 | 705.1 | 705.1 | 704.8 | 705.1 | 705.1 | 705.9 | 705.9 | 705.1 | 704.8 |
| 5°    | 703.2 | 704.0 | 704.0 | 703.2 | 703.2 | 705.1 | 704.0 | 704.8 | 704.8 | 704.4 | 704.4 |
| 7.5°  | 699.8 | 699.8 | 701.3 | 700.2 | 700.2 | 701.3 | 701.0 | 701.7 | 702.5 | 702.9 | 702.9 |
| 10°   | 692.3 | 693.0 | 693.4 | 693.4 | 693.8 | 694.9 | 695.7 | 697.2 | 697.9 | 698.7 | 699.1 |
| 12.5° | 682.8 | 684.0 | 684.3 | 684.0 | 685.1 | 686.6 | 688.5 | 690.4 | 691.5 | 693.0 | 694.2 |
| 15°   | 671.5 | 671.5 | 672.2 | 673.4 | 674.1 | 676.4 | 678.3 | 680.6 | 683.6 | 685.5 | 687.4 |
| 17.5° | 659.0 | 659.8 | 660.9 | 660.9 | 662.4 | 666.2 | 667.3 | 670.7 | 674.1 | 676.0 | 679.8 |
| 20°   | 645.4 | 646.1 | 647.3 | 648.0 | 649.9 | 653.0 | 655.2 | 658.2 | 662.0 | 665.4 | 669.2 |
| 22.5° | 634.8 | 633.3 | 634.0 | 634.8 | 636.7 | 639.3 | 642.0 | 645.8 | 649.6 | 653.0 | 656.7 |
| 25°   | 614.4 | 614.8 | 615.9 | 616.7 | 618.9 | 621.2 | 624.2 | 628.8 | 632.2 | 635.9 | 640.1 |
| 27.5° | 586.8 | 587.2 | 589.1 | 589.1 | 590.9 | 594.7 | 596.6 | 600.4 | 604.9 | 608.7 | 613.6 |
| 30°   | 555.4 | 556.2 | 556.2 | 557.7 | 558.8 | 560.7 | 562.6 | 566.4 | 568.6 | 572.0 | 578.9 |
| 32.5° | 526.7 | 527.4 | 527.0 | 526.7 | 525.5 | 525.2 | 524.8 | 525.5 | 526.3 | 527.4 | 530.1 |
| 35°   | 509.7 | 507.8 | 506.3 | 503.6 | 500.6 | 496.8 | 493.4 | 488.9 | 484.7 | 481.3 | 477.5 |
| 37.5° | 493.4 | 493.0 | 490.8 | 487.0 | 480.9 | 474.1 | 466.2 | 456.3 | 446.5 | 435.9 | 425.7 |
| 40°   | 470.7 | 469.6 | 467.7 | 462.4 | 455.6 | 447.3 | 436.7 | 424.6 | 408.7 | 392.5 | 375.8 |
| 42.5° | 432.1 | 432.5 | 430.3 | 426.1 | 419.7 | 411.7 | 400.8 | 387.5 | 370.5 | 351.2 | 329.7 |
| 45°   | 387.2 | 387.2 | 386.4 | 383.0 | 378.5 | 372.0 | 363.7 | 352.8 | 336.1 | 316.5 | 293.4 |
| 47.5° | 340.3 | 340.7 | 339.5 | 338.8 | 336.9 | 332.7 | 326.7 | 318.3 | 306.6 | 287.7 | 264.7 |
| 50°   | 292.6 | 292.6 | 294.5 | 294.1 | 294.1 | 292.6 | 290.0 | 285.1 | 274.9 | 259.7 | 238.2 |
| 52.5° | 245.0 | 245.8 | 246.9 | 248.4 | 250.3 | 253.3 | 250.3 | 248.0 | 241.6 | 229.9 | 211.4 |
| 55°   | 195.8 | 196.6 | 198.5 | 201.1 | 203.4 | 206.4 | 207.2 | 207.2 | 203.8 | 195.8 | 181.9 |
| 57.5° | 153.9 | 152.7 | 154.3 | 156.5 | 159.6 | 162.6 | 164.8 | 167.5 | 167.1 | 161.8 | 150.5 |
| 60°   | 115.7 | 116.1 | 117.2 | 119.5 | 121.7 | 124.4 | 127.4 | 129.7 | 130.8 | 128.2 | 121.0 |
| 62.5° | 84.3  | 84.3  | 85.8  | 88.1  | 89.2  | 93.0  | 94.9  | 96.0  | 97.2  | 96.8  | 92.3  |
| 65°   | 59.0  | 59.7  | 60.5  | 61.6  | 62.8  | 65.0  | 66.2  | 68.4  | 69.2  | 69.6  | 66.2  |
| 67.5° | 41.6  | 40.5  | 41.2  | 42.0  | 43.1  | 44.6  | 46.9  | 46.9  | 48.0  | 48.0  | 45.7  |
| 70°   | 26.5  | 26.5  | 26.8  | 28.0  | 28.7  | 29.1  | 29.9  | 30.6  | 31.8  | 31.4  | 31.4  |
| 72.5° | 17.8  | 17.4  | 17.8  | 18.2  | 18.5  | 19.7  | 19.7  | 20.0  | 20.8  | 21.2  | 19.7  |
| 75°   | 9.1   | 9.5   | 10.2  | 9.8   | 11.0  | 10.2  | 10.6  | 11.7  | 11.3  | 10.6  | 10.6  |
| 77.5° | 7.6   | 7.6   | 7.6   | 7.2   | 7.9   | 7.9   | 7.6   | 8.3   | 7.9   | 7.9   | 7.6   |
| 80°   | 5.3   | 5.7   | 5.3   | 4.9   | 5.3   | 4.9   | 4.9   | 4.9   | 4.9   | 4.9   | 4.5   |
| 82.5° | 4.2   | 3.4   | 3.8   | 3.4   | 3.8   | 3.8   | 3.4   | 3.0   | 3.0   | 3.4   | 3.0   |
| 85°   | 3.0   | 2.3   | 2.6   | 2.6   | 2.3   | 2.3   | 2.3   | 2.3   | 2.3   | 1.9   | 1.9   |
| 87.5° | 1.9   | 1.1   | 1.1   | 1.1   | 1.5   | 1.5   | 1.5   | 1.1   | 1.5   | 1.5   | 0.8   |
| 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: P244633

CATALOG NUMBER: LSR8B15D010 EC8B15935 8LBDW0H

**CANDELA DISTRIBUTION (continued):**

|       | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 |
| 2.5°  | 705.5 | 705.1 | 705.9 | 705.5 | 705.5 | 705.1 | 705.5 | 705.1 | 705.9 | 704.4 | 704.8 |
| 5°    | 705.5 | 704.8 | 705.1 | 705.5 | 705.9 | 705.1 | 705.1 | 705.1 | 705.9 | 705.1 | 705.5 |
| 7.5°  | 704.0 | 703.6 | 704.8 | 705.5 | 705.1 | 704.8 | 705.5 | 705.1 | 705.9 | 705.5 | 706.3 |
| 10°   | 701.0 | 701.3 | 702.1 | 703.2 | 703.6 | 704.0 | 704.8 | 704.8 | 705.9 | 704.4 | 705.1 |
| 12.5° | 696.4 | 697.9 | 699.8 | 700.6 | 702.1 | 702.1 | 702.9 | 703.2 | 704.0 | 703.6 | 704.8 |
| 15°   | 690.8 | 692.7 | 694.9 | 696.8 | 698.7 | 699.8 | 701.0 | 701.3 | 702.5 | 701.3 | 701.7 |
| 17.5° | 684.0 | 686.2 | 689.6 | 691.9 | 694.9 | 696.1 | 697.6 | 698.3 | 699.5 | 698.7 | 699.1 |
| 20°   | 674.5 | 677.2 | 680.9 | 684.3 | 686.2 | 688.9 | 690.8 | 691.9 | 692.7 | 691.9 | 692.3 |
| 22.5° | 661.3 | 665.1 | 670.0 | 672.6 | 676.4 | 678.7 | 679.0 | 681.7 | 683.6 | 681.7 | 682.4 |
| 25°   | 645.8 | 649.6 | 653.3 | 659.0 | 662.4 | 665.1 | 667.7 | 668.1 | 670.0 | 669.6 | 669.2 |
| 27.5° | 620.1 | 625.0 | 631.4 | 635.9 | 640.5 | 644.6 | 647.7 | 648.4 | 650.3 | 649.6 | 649.9 |
| 30°   | 584.9 | 590.2 | 596.2 | 603.4 | 609.9 | 614.0 | 617.8 | 620.4 | 622.3 | 621.2 | 620.8 |
| 32.5° | 535.0 | 540.3 | 546.7 | 553.9 | 561.5 | 567.5 | 572.0 | 575.4 | 577.7 | 577.0 | 575.1 |
| 35°   | 477.9 | 479.4 | 483.6 | 489.2 | 495.7 | 502.1 | 506.3 | 510.0 | 512.7 | 513.4 | 513.4 |
| 37.5° | 419.3 | 414.4 | 411.4 | 411.4 | 415.1 | 417.8 | 421.6 | 423.8 | 428.0 | 429.5 | 430.6 |
| 40°   | 362.6 | 351.2 | 340.7 | 332.7 | 327.4 | 327.0 | 327.0 | 328.2 | 332.0 | 336.9 | 341.4 |
| 42.5° | 311.9 | 293.8 | 277.5 | 262.8 | 252.2 | 246.1 | 243.5 | 243.9 | 246.9 | 251.4 | 259.0 |
| 45°   | 271.5 | 248.8 | 228.4 | 210.6 | 196.2 | 186.8 | 182.2 | 181.9 | 184.1 | 189.4 | 197.7 |
| 47.5° | 240.1 | 215.9 | 192.8 | 172.4 | 156.9 | 146.7 | 141.4 | 139.9 | 141.4 | 146.3 | 156.1 |
| 50°   | 214.0 | 189.0 | 165.2 | 144.0 | 127.4 | 116.8 | 111.9 | 110.0 | 111.9 | 116.1 | 125.9 |
| 52.5° | 189.8 | 164.1 | 141.8 | 121.4 | 103.6 | 94.5  | 89.2  | 88.1  | 89.2  | 94.1  | 102.1 |
| 55°   | 161.8 | 139.9 | 118.0 | 97.5  | 82.0  | 73.0  | 68.8  | 67.7  | 68.8  | 73.4  | 81.7  |
| 57.5° | 134.2 | 115.3 | 96.0  | 77.5  | 64.3  | 56.3  | 52.6  | 51.0  | 53.7  | 56.7  | 66.5  |
| 60°   | 108.5 | 93.4  | 77.1  | 60.9  | 49.9  | 42.7  | 39.7  | 39.3  | 40.1  | 43.9  | 50.7  |
| 62.5° | 85.1  | 72.6  | 59.7  | 46.5  | 37.4  | 34.4  | 30.6  | 30.3  | 31.0  | 33.3  | 38.6  |
| 65°   | 61.3  | 53.3  | 43.5  | 34.0  | 26.8  | 22.7  | 21.2  | 21.6  | 22.3  | 23.8  | 28.7  |
| 67.5° | 42.7  | 37.1  | 30.3  | 23.8  | 18.5  | 16.6  | 15.1  | 14.7  | 15.1  | 17.8  | 20.4  |
| 70°   | 28.7  | 25.3  | 20.4  | 18.2  | 12.9  | 10.2  | 10.6  | 9.5   | 11.0  | 11.0  | 13.2  |
| 72.5° | 18.9  | 16.6  | 13.6  | 10.6  | 9.1   | 7.2   | 7.2   | 6.8   | 7.6   | 7.9   | 9.8   |
| 75°   | 9.8   | 7.6   | 7.6   | 5.3   | 3.8   | 1.9   | 3.4   | 3.0   | 2.6   | 3.0   | 3.8   |
| 77.5° | 6.8   | 5.7   | 5.3   | 4.2   | 3.8   | 3.0   | 3.0   | 3.0   | 3.0   | 3.4   | 3.8   |
| 80°   | 4.2   | 4.2   | 3.0   | 2.6   | 2.3   | 1.9   | 2.3   | 2.3   | 2.3   | 2.3   | 2.6   |
| 82.5° | 2.6   | 2.3   | 2.3   | 1.9   | 1.9   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 2.3   |
| 85°   | 2.3   | 1.5   | 1.5   | 1.1   | 1.5   | 2.6   | 1.1   | 1.5   | 1.5   | 1.5   | 1.1   |
| 87.5° | 0.8   | 1.1   | 1.1   | 1.1   | 0.8   | 0.4   | 0.8   | 1.1   | 1.1   | 1.9   | 1.5   |
| 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: P244633

CATALOG NUMBER: LSR8B15D010 EC8B15935 8LBDW0H

**CANDELA DISTRIBUTION (continued):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 | 704.4 |
| 2.5°  | 705.5 | 705.9 | 705.9 | 705.5 | 705.5 | 704.8 | 706.3 | 705.1 | 705.5 | 707.0 | 705.9 |
| 5°    | 706.3 | 706.6 | 706.6 | 706.3 | 706.3 | 706.3 | 706.6 | 706.6 | 706.3 | 705.9 | 706.6 |
| 7.5°  | 707.8 | 707.4 | 707.4 | 706.6 | 706.6 | 705.9 | 706.6 | 705.5 | 706.3 | 705.5 | 706.6 |
| 10°   | 705.9 | 706.3 | 705.9 | 705.5 | 705.5 | 705.1 | 705.1 | 704.0 | 704.4 | 703.2 | 704.0 |
| 12.5° | 704.8 | 704.4 | 704.4 | 703.6 | 702.9 | 702.1 | 701.7 | 700.6 | 700.6 | 697.9 | 699.1 |
| 15°   | 701.7 | 702.1 | 701.0 | 699.5 | 698.7 | 696.8 | 696.1 | 694.5 | 693.0 | 691.1 | 691.5 |
| 17.5° | 699.1 | 697.9 | 696.4 | 694.9 | 691.9 | 690.4 | 688.9 | 686.6 | 685.8 | 683.6 | 682.8 |
| 20°   | 691.1 | 690.4 | 688.5 | 685.8 | 684.0 | 680.6 | 679.0 | 676.8 | 674.9 | 672.6 | 671.5 |
| 22.5° | 680.9 | 680.2 | 677.9 | 675.3 | 672.2 | 670.7 | 669.2 | 665.1 | 663.2 | 660.9 | 660.5 |
| 25°   | 668.1 | 666.9 | 664.7 | 661.7 | 660.1 | 656.0 | 654.5 | 651.4 | 650.7 | 648.4 | 648.0 |
| 27.5° | 648.4 | 646.9 | 644.3 | 640.5 | 637.8 | 635.2 | 633.7 | 631.4 | 630.6 | 628.4 | 628.0 |
| 30°   | 618.9 | 617.0 | 611.7 | 610.2 | 605.7 | 603.0 | 603.0 | 600.0 | 600.4 | 598.9 | 598.9 |
| 32.5° | 572.4 | 569.4 | 565.2 | 562.2 | 559.2 | 557.7 | 557.7 | 556.5 | 557.3 | 557.3 | 558.1 |
| 35°   | 510.8 | 506.6 | 504.4 | 502.5 | 502.5 | 504.0 | 508.5 | 509.7 | 511.9 | 513.8 | 515.3 |
| 37.5° | 431.8 | 431.4 | 434.0 | 436.3 | 442.0 | 448.4 | 456.3 | 463.2 | 469.6 | 474.1 | 478.7 |
| 40°   | 346.3 | 355.8 | 363.3 | 373.9 | 382.6 | 395.1 | 409.5 | 421.2 | 432.1 | 440.1 | 448.4 |
| 42.5° | 270.3 | 282.4 | 298.3 | 313.8 | 329.3 | 346.3 | 365.2 | 381.5 | 395.9 | 406.8 | 415.5 |
| 45°   | 210.6 | 227.2 | 246.5 | 266.2 | 286.2 | 307.4 | 327.0 | 343.7 | 358.8 | 370.1 | 378.8 |
| 47.5° | 169.8 | 187.9 | 209.8 | 231.4 | 254.1 | 276.4 | 298.3 | 312.7 | 325.1 | 334.2 | 342.2 |
| 50°   | 140.3 | 159.6 | 182.6 | 207.2 | 229.9 | 252.2 | 271.1 | 285.1 | 295.3 | 303.2 | 308.1 |
| 52.5° | 117.2 | 137.6 | 162.2 | 186.8 | 209.5 | 229.9 | 246.9 | 257.5 | 265.8 | 271.5 | 276.0 |
| 55°   | 96.8  | 116.5 | 139.5 | 162.6 | 184.9 | 204.2 | 218.2 | 226.1 | 232.5 | 235.9 | 238.6 |
| 57.5° | 79.0  | 97.2  | 118.3 | 139.5 | 158.8 | 174.7 | 185.6 | 193.6 | 196.6 | 199.3 | 198.9 |
| 60°   | 62.0  | 79.0  | 98.3  | 116.5 | 133.1 | 145.9 | 153.9 | 158.4 | 160.7 | 161.8 | 161.1 |
| 62.5° | 48.8  | 64.3  | 79.0  | 94.9  | 107.0 | 118.0 | 125.5 | 125.5 | 126.7 | 127.0 | 128.2 |
| 65°   | 36.3  | 48.0  | 60.9  | 72.6  | 82.4  | 89.6  | 93.8  | 94.9  | 96.4  | 96.0  | 95.3  |
| 67.5° | 26.8  | 35.5  | 45.0  | 53.7  | 60.5  | 65.0  | 68.1  | 70.7  | 70.3  | 69.6  | 69.2  |
| 70°   | 18.5  | 24.2  | 32.5  | 37.8  | 42.7  | 47.3  | 48.0  | 48.4  | 48.8  | 49.2  | 48.4  |
| 72.5° | 12.9  | 17.0  | 21.6  | 26.1  | 29.1  | 31.0  | 32.9  | 33.3  | 33.3  | 33.3  | 32.9  |
| 75°   | 6.4   | 8.7   | 12.9  | 14.7  | 17.4  | 18.2  | 19.7  | 19.7  | 20.8  | 19.3  | 18.9  |
| 77.5° | 5.7   | 6.8   | 9.1   | 10.6  | 11.7  | 12.9  | 13.2  | 14.4  | 14.0  | 13.2  | 13.6  |
| 80°   | 3.4   | 4.2   | 5.7   | 6.4   | 7.9   | 8.3   | 8.7   | 9.1   | 8.7   | 9.1   | 9.1   |
| 82.5° | 2.6   | 3.0   | 3.8   | 3.8   | 4.9   | 4.9   | 5.3   | 5.3   | 5.7   | 5.7   | 5.7   |
| 85°   | 1.5   | 2.6   | 2.3   | 4.5   | 3.0   | 3.0   | 3.8   | 4.5   | 3.8   | 3.8   | 4.5   |
| 87.5° | 1.5   | 1.5   | 1.1   | 1.5   | 1.5   | 1.5   | 1.9   | 2.3   | 2.3   | 2.6   | 2.3   |
| 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: P244633

CATALOG NUMBER: LSR8B15D010 EC8B15935 8LBDW0H

**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 0°    | 704.4 | 704.4 | 704.4 | 704.4 |
| 2.5°  | 705.5 | 706.3 | 705.1 | 704.8 |
| 5°    | 706.6 | 706.6 | 705.9 | 705.9 |
| 7.5°  | 706.6 | 706.6 | 705.5 | 704.8 |
| 10°   | 703.6 | 703.6 | 702.5 | 701.7 |
| 12.5° | 697.9 | 697.9 | 697.6 | 696.4 |
| 15°   | 690.8 | 690.8 | 689.2 | 688.1 |
| 17.5° | 680.9 | 681.7 | 679.8 | 679.8 |
| 20°   | 670.3 | 670.0 | 668.5 | 667.7 |
| 22.5° | 659.4 | 658.6 | 658.2 | 656.0 |
| 25°   | 647.7 | 646.9 | 645.8 | 644.6 |
| 27.5° | 627.6 | 627.2 | 626.1 | 624.6 |
| 30°   | 597.0 | 596.6 | 595.1 | 595.1 |
| 32.5° | 557.3 | 556.9 | 555.4 | 555.8 |
| 35°   | 516.1 | 517.6 | 516.8 | 515.3 |
| 37.5° | 481.7 | 482.8 | 483.6 | 482.8 |
| 40°   | 452.9 | 456.3 | 456.7 | 457.5 |
| 42.5° | 422.3 | 426.9 | 428.4 | 429.1 |
| 45°   | 385.6 | 389.8 | 393.2 | 392.5 |
| 47.5° | 348.2 | 351.2 | 354.3 | 352.0 |
| 50°   | 312.3 | 314.2 | 315.3 | 315.3 |
| 52.5° | 278.3 | 278.3 | 277.9 | 278.3 |
| 55°   | 239.3 | 239.3 | 237.8 | 238.6 |
| 57.5° | 198.5 | 199.3 | 198.1 | 196.2 |
| 60°   | 160.7 | 158.8 | 158.0 | 156.9 |
| 62.5° | 125.1 | 125.1 | 122.5 | 125.9 |
| 65°   | 93.8  | 92.6  | 91.5  | 91.1  |
| 67.5° | 68.1  | 67.7  | 66.5  | 66.2  |
| 70°   | 48.0  | 46.5  | 46.1  | 45.4  |
| 72.5° | 32.1  | 32.1  | 31.4  | 31.4  |
| 75°   | 19.7  | 17.8  | 17.4  | 17.8  |
| 77.5° | 13.6  | 13.2  | 13.2  | 12.9  |
| 80°   | 9.1   | 8.7   | 9.5   | 8.3   |
| 82.5° | 5.7   | 6.1   | 5.7   | 6.1   |
| 85°   | 3.8   | 4.5   | 4.2   | 4.2   |
| 87.5° | 2.3   | 2.3   | 2.3   | 2.3   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)