

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: P246073

Luminaire Tested: **LSR8B15D010 EC8B15935 8LBDW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246073
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 8LBDW0GPH
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1305.0 lumens
Efficiency: N/A
Efficacy: 90.6 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

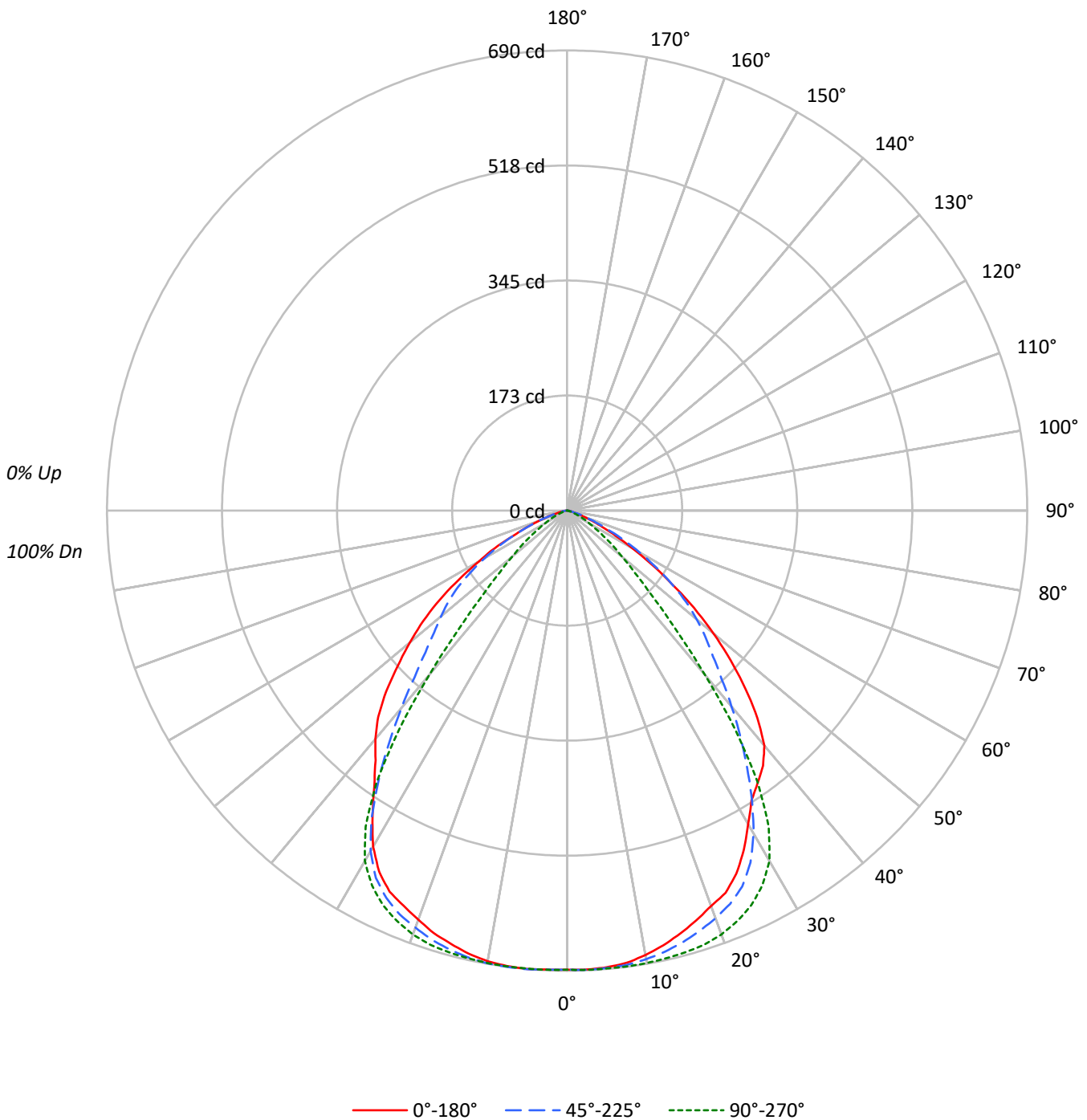
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246073

CATALOG NUMBER: LSR8B15D010 EC8B15935 8LBDW0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P246073

CATALOG NUMBER: LSR8B15D010 EC8B15935 8LBDW0GPH

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 | 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 | | | | | 100 | | | |
| 1 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 90 | | | | | 90 | | | |
| 2 | 104 | 97 | 92 | 88 | 101 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 83 | 81 | 79 | | | | | 79 | | | |
| 3 | 96 | 88 | 81 | 76 | 94 | 86 | 80 | 75 | 84 | 78 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 | | | | | 70 | | | |
| 4 | 89 | 80 | 72 | 67 | 87 | 78 | 72 | 66 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 67 | 64 | 62 | | | | | 62 | | | |
| 5 | 83 | 72 | 65 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 68 | 62 | 58 | 66 | 61 | 57 | 55 | | | | | 55 | | | |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 50 | | | | | 50 | | | |
| 7 | 72 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 | | | | | 45 | | | |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 41 | | | | | 41 | | | |
| 9 | 64 | 52 | 44 | 39 | 62 | 51 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 37 | | | | | 37 | | | |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 | | | | | 34 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 21231 | 21231 | 21231 |
| 5° | 21278 | 21337 | 21358 |
| 10° | 21189 | 21571 | 21480 |
| 15° | 20955 | 21887 | 21475 |
| 20° | 20703 | 22193 | 21419 |
| 25° | 20435 | 22221 | 21442 |
| 30° | 19331 | 21595 | 20712 |
| 35° | 18754 | 18769 | 18965 |
| 40° | 18521 | 12913 | 18002 |
| 45° | 16506 | 7754 | 16728 |
| 50° | 13725 | 5162 | 14785 |
| 55° | 10290 | 3559 | 12537 |
| 60° | 6975 | 2368 | 9461 |
| 65° | 4210 | 1540 | 6501 |
| 70° | 2335 | 829 | 3994 |
| 75° | 1060 | 357 | 2073 |
| 80° | 923 | 391 | 1438 |
| 85° | 1061 | 531 | 1451 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 65.7 | 5.0 |
| 10°-20° | 190.8 | 14.6 |
| 20°-30° | 289.7 | 22.2 |
| 30°-40° | 304.2 | 23.3 |
| 40°-50° | 228.1 | 17.5 |
| 50°-60° | 146.3 | 11.2 |
| 60°-70° | 62.6 | 4.8 |
| 70°-80° | 14.8 | 1.1 |
| 80°-90° | 2.7 | 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° | 546.2 | 41.9 |
| 0°-40° | 850.4 | 65.2 |
| 0°-60° | 1224.9 | 93.9 |
| 0°-90° | 1305.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1305.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 688 | 688 | 688 | 688 | 688 | |
| 5° | 687 | 688 | 689 | 690 | 690 | 65 |
| 15° | 656 | 670 | 686 | 681 | 673 | 185 |
| 25° | 601 | 622 | 653 | 641 | 630 | 274 |
| 35° | 498 | 470 | 499 | 493 | 504 | 313 |
| 45° | 378 | 309 | 178 | 300 | 384 | 290 |
| 55° | 191 | 191 | 66 | 200 | 233 | 174 |
| 65° | 58 | 68 | 21 | 88 | 89 | 62 |
| 75° | 9 | 10 | 3 | 18 | 17 | 13 |
| 85° | 3 | 2 | 2 | 3 | 4 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P246073

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 |
| 2.5° | 688.9 | 689.7 | 689.3 | 689.3 | 688.9 | 689.3 | 689.3 | 690.0 | 690.0 | 689.3 | 688.9 |
| 5° | 687.4 | 688.2 | 688.2 | 687.4 | 687.4 | 689.3 | 688.2 | 688.9 | 688.9 | 688.5 | 688.5 |
| 7.5° | 684.1 | 684.1 | 685.6 | 684.5 | 684.5 | 685.6 | 685.2 | 686.0 | 686.7 | 687.1 | 687.1 |
| 10° | 676.7 | 677.5 | 677.8 | 677.8 | 678.2 | 679.3 | 680.0 | 681.5 | 682.3 | 683.0 | 683.4 |
| 12.5° | 667.5 | 668.6 | 669.0 | 668.6 | 669.7 | 671.2 | 673.0 | 674.9 | 676.0 | 677.5 | 678.6 |
| 15° | 656.4 | 656.4 | 657.1 | 658.2 | 659.0 | 661.2 | 663.0 | 665.3 | 668.2 | 670.1 | 671.9 |
| 17.5° | 644.2 | 644.9 | 646.0 | 646.0 | 647.5 | 651.2 | 652.3 | 655.7 | 659.0 | 660.8 | 664.5 |
| 20° | 630.9 | 631.6 | 632.7 | 633.5 | 635.3 | 638.3 | 640.5 | 643.5 | 647.2 | 650.5 | 654.2 |
| 22.5° | 620.5 | 619.1 | 619.8 | 620.5 | 622.4 | 625.0 | 627.6 | 631.3 | 635.0 | 638.3 | 642.0 |
| 25° | 600.6 | 601.0 | 602.1 | 602.8 | 605.0 | 607.2 | 610.2 | 614.6 | 618.0 | 621.7 | 625.7 |
| 27.5° | 573.6 | 574.0 | 575.8 | 575.8 | 577.7 | 581.4 | 583.2 | 586.9 | 591.3 | 595.0 | 599.8 |
| 30° | 542.9 | 543.7 | 543.7 | 545.1 | 546.2 | 548.1 | 549.9 | 553.6 | 555.9 | 559.2 | 565.8 |
| 32.5° | 514.8 | 515.6 | 515.2 | 514.8 | 513.7 | 513.4 | 513.0 | 513.7 | 514.5 | 515.6 | 518.2 |
| 35° | 498.2 | 496.4 | 494.9 | 492.3 | 489.3 | 485.6 | 482.3 | 477.9 | 473.8 | 470.5 | 466.8 |
| 37.5° | 482.3 | 481.9 | 479.7 | 476.0 | 470.1 | 463.5 | 455.7 | 446.1 | 436.5 | 426.1 | 416.2 |
| 40° | 460.1 | 459.0 | 457.2 | 452.0 | 445.4 | 437.2 | 426.9 | 415.0 | 399.5 | 383.6 | 367.4 |
| 42.5° | 422.4 | 422.8 | 420.6 | 416.5 | 410.2 | 402.5 | 391.8 | 378.8 | 362.2 | 343.3 | 322.3 |
| 45° | 378.5 | 378.5 | 377.7 | 374.4 | 370.0 | 363.7 | 355.5 | 344.8 | 328.6 | 309.3 | 286.8 |
| 47.5° | 332.6 | 333.0 | 331.9 | 331.2 | 329.3 | 325.2 | 319.3 | 311.2 | 299.7 | 281.3 | 258.7 |
| 50° | 286.1 | 286.1 | 287.9 | 287.5 | 287.5 | 286.1 | 283.5 | 278.7 | 268.7 | 253.9 | 232.8 |
| 52.5° | 239.5 | 240.2 | 241.3 | 242.8 | 244.7 | 247.6 | 244.7 | 242.4 | 236.2 | 224.7 | 206.6 |
| 55° | 191.4 | 192.2 | 194.0 | 196.6 | 198.8 | 201.8 | 202.5 | 202.5 | 199.2 | 191.4 | 177.8 |
| 57.5° | 150.4 | 149.3 | 150.8 | 153.0 | 156.0 | 158.9 | 161.1 | 163.7 | 163.4 | 158.2 | 147.1 |
| 60° | 113.1 | 113.5 | 114.6 | 116.8 | 119.0 | 121.6 | 124.6 | 126.8 | 127.9 | 125.3 | 118.3 |
| 62.5° | 82.4 | 82.4 | 83.9 | 86.1 | 87.2 | 90.9 | 92.8 | 93.9 | 95.0 | 94.6 | 90.2 |
| 65° | 57.7 | 58.4 | 59.1 | 60.2 | 61.3 | 63.6 | 64.7 | 66.9 | 67.6 | 68.0 | 64.7 |
| 67.5° | 40.7 | 39.5 | 40.3 | 41.0 | 42.1 | 43.6 | 45.8 | 45.8 | 46.9 | 46.9 | 44.7 |
| 70° | 25.9 | 25.9 | 26.2 | 27.3 | 28.1 | 28.5 | 29.2 | 29.9 | 31.0 | 30.7 | 30.7 |
| 72.5° | 17.4 | 17.0 | 17.4 | 17.7 | 18.1 | 19.2 | 19.2 | 19.6 | 20.3 | 20.7 | 19.2 |
| 75° | 8.9 | 9.2 | 10.0 | 9.6 | 10.7 | 10.0 | 10.3 | 11.5 | 11.1 | 10.3 | 10.3 |
| 77.5° | 7.4 | 7.4 | 7.4 | 7.0 | 7.8 | 7.8 | 7.4 | 8.1 | 7.8 | 7.8 | 7.4 |
| 80° | 5.2 | 5.5 | 5.2 | 4.8 | 5.2 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.4 |
| 82.5° | 4.1 | 3.3 | 3.7 | 3.3 | 3.7 | 3.7 | 3.3 | 3.0 | 3.0 | 3.3 | 3.0 |
| 85° | 3.0 | 2.2 | 2.6 | 2.6 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.8 | 1.8 |
| 87.5° | 1.8 | 1.1 | 1.1 | 1.1 | 1.5 | 1.5 | 1.5 | 1.1 | 1.5 | 1.5 | 0.7 |
| 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: P246073

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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 |
| 2.5° | 689.7 | 689.3 | 690.0 | 689.7 | 689.7 | 689.3 | 689.7 | 689.3 | 690.0 | 688.5 | 688.9 |
| 5° | 689.7 | 688.9 | 689.3 | 689.7 | 690.0 | 689.3 | 689.3 | 689.3 | 690.0 | 689.3 | 689.7 |
| 7.5° | 688.2 | 687.8 | 688.9 | 689.7 | 689.3 | 688.9 | 689.7 | 689.3 | 690.0 | 689.7 | 690.4 |
| 10° | 685.2 | 685.6 | 686.3 | 687.4 | 687.8 | 688.2 | 688.9 | 688.9 | 690.0 | 688.5 | 689.3 |
| 12.5° | 680.8 | 682.3 | 684.1 | 684.8 | 686.3 | 686.3 | 687.1 | 687.4 | 688.2 | 687.8 | 688.9 |
| 15° | 675.2 | 677.1 | 679.3 | 681.2 | 683.0 | 684.1 | 685.2 | 685.6 | 686.7 | 685.6 | 686.0 |
| 17.5° | 668.6 | 670.8 | 674.1 | 676.3 | 679.3 | 680.4 | 681.9 | 682.6 | 683.7 | 683.0 | 683.4 |
| 20° | 659.3 | 661.9 | 665.6 | 669.0 | 670.8 | 673.4 | 675.2 | 676.3 | 677.1 | 676.3 | 676.7 |
| 22.5° | 646.4 | 650.1 | 654.9 | 657.5 | 661.2 | 663.4 | 663.8 | 666.4 | 668.2 | 666.4 | 667.1 |
| 25° | 631.3 | 635.0 | 638.7 | 644.2 | 647.5 | 650.1 | 652.7 | 653.1 | 654.9 | 654.5 | 654.2 |
| 27.5° | 606.1 | 610.9 | 617.2 | 621.7 | 626.1 | 630.2 | 633.1 | 633.8 | 635.7 | 635.0 | 635.3 |
| 30° | 571.8 | 576.9 | 582.8 | 589.9 | 596.1 | 600.2 | 603.9 | 606.5 | 608.3 | 607.2 | 606.9 |
| 32.5° | 523.0 | 528.1 | 534.4 | 541.4 | 548.8 | 554.7 | 559.2 | 562.5 | 564.7 | 564.0 | 562.1 |
| 35° | 467.2 | 468.6 | 472.7 | 478.3 | 484.5 | 490.8 | 494.9 | 498.6 | 501.2 | 501.9 | 501.9 |
| 37.5° | 409.9 | 405.1 | 402.1 | 402.1 | 405.8 | 408.4 | 412.1 | 414.3 | 418.4 | 419.9 | 421.0 |
| 40° | 354.4 | 343.3 | 333.0 | 325.2 | 320.1 | 319.7 | 319.7 | 320.8 | 324.5 | 329.3 | 333.7 |
| 42.5° | 304.9 | 287.2 | 271.3 | 256.9 | 246.5 | 240.6 | 238.0 | 238.4 | 241.3 | 245.8 | 253.2 |
| 45° | 265.4 | 243.2 | 223.2 | 205.9 | 191.8 | 182.6 | 178.1 | 177.8 | 180.0 | 185.2 | 193.3 |
| 47.5° | 234.7 | 211.0 | 188.5 | 168.5 | 153.4 | 143.4 | 138.2 | 136.8 | 138.2 | 143.0 | 152.6 |
| 50° | 209.2 | 184.8 | 161.5 | 140.8 | 124.6 | 114.2 | 109.4 | 107.6 | 109.4 | 113.5 | 123.1 |
| 52.5° | 185.5 | 160.4 | 138.6 | 118.6 | 101.3 | 92.4 | 87.2 | 86.1 | 87.2 | 92.0 | 99.8 |
| 55° | 158.2 | 136.8 | 115.3 | 95.4 | 80.2 | 71.3 | 67.3 | 66.2 | 67.3 | 71.7 | 79.8 |
| 57.5° | 131.2 | 112.7 | 93.9 | 75.8 | 62.8 | 55.1 | 51.4 | 49.9 | 52.5 | 55.4 | 65.0 |
| 60° | 106.1 | 91.3 | 75.4 | 59.5 | 48.8 | 41.8 | 38.8 | 38.4 | 39.2 | 42.9 | 49.5 |
| 62.5° | 83.2 | 71.0 | 58.4 | 45.5 | 36.6 | 33.6 | 29.9 | 29.6 | 30.3 | 32.5 | 37.7 |
| 65° | 59.9 | 52.1 | 42.5 | 33.3 | 26.2 | 22.2 | 20.7 | 21.1 | 21.8 | 23.3 | 28.1 |
| 67.5° | 41.8 | 36.2 | 29.6 | 23.3 | 18.1 | 16.3 | 14.8 | 14.4 | 14.8 | 17.4 | 20.0 |
| 70° | 28.1 | 24.8 | 20.0 | 17.7 | 12.6 | 10.0 | 10.3 | 9.2 | 10.7 | 10.7 | 12.9 |
| 72.5° | 18.5 | 16.3 | 13.3 | 10.3 | 8.9 | 7.0 | 7.0 | 6.7 | 7.4 | 7.8 | 9.6 |
| 75° | 9.6 | 7.4 | 7.4 | 5.2 | 3.7 | 1.8 | 3.3 | 3.0 | 2.6 | 3.0 | 3.7 |
| 77.5° | 6.7 | 5.5 | 5.2 | 4.1 | 3.7 | 3.0 | 3.0 | 3.0 | 3.0 | 3.3 | 3.7 |
| 80° | 4.1 | 4.1 | 3.0 | 2.6 | 2.2 | 1.8 | 2.2 | 2.2 | 2.2 | 2.2 | 2.6 |
| 82.5° | 2.6 | 2.2 | 2.2 | 1.8 | 1.8 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.2 |
| 85° | 2.2 | 1.5 | 1.5 | 1.1 | 1.5 | 2.6 | 1.1 | 1.5 | 1.5 | 1.5 | 1.1 |
| 87.5° | 0.7 | 1.1 | 1.1 | 1.1 | 0.7 | 0.4 | 0.7 | 1.1 | 1.1 | 1.8 | 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: P246073

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CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 |
| 2.5° | 689.7 | 690.0 | 690.0 | 689.7 | 689.7 | 688.9 | 690.4 | 689.3 | 689.7 | 691.1 | 690.0 |
| 5° | 690.4 | 690.8 | 690.8 | 690.4 | 690.4 | 690.4 | 690.8 | 690.8 | 690.4 | 690.0 | 690.8 |
| 7.5° | 691.9 | 691.5 | 691.5 | 690.8 | 690.8 | 690.0 | 690.8 | 689.7 | 690.4 | 689.7 | 690.8 |
| 10° | 690.0 | 690.4 | 690.0 | 689.7 | 689.7 | 689.3 | 689.3 | 688.2 | 688.5 | 687.4 | 688.2 |
| 12.5° | 688.9 | 688.5 | 688.5 | 687.8 | 687.1 | 686.3 | 686.0 | 684.8 | 684.8 | 682.3 | 683.4 |
| 15° | 686.0 | 686.3 | 685.2 | 683.7 | 683.0 | 681.2 | 680.4 | 678.9 | 677.5 | 675.6 | 676.0 |
| 17.5° | 683.4 | 682.3 | 680.8 | 679.3 | 676.3 | 674.9 | 673.4 | 671.2 | 670.4 | 668.2 | 667.5 |
| 20° | 675.6 | 674.9 | 673.0 | 670.4 | 668.6 | 665.3 | 663.8 | 661.6 | 659.7 | 657.5 | 656.4 |
| 22.5° | 665.6 | 664.9 | 662.7 | 660.1 | 657.1 | 655.7 | 654.2 | 650.1 | 648.3 | 646.0 | 645.7 |
| 25° | 653.1 | 652.0 | 649.7 | 646.8 | 645.3 | 641.2 | 639.8 | 636.8 | 636.1 | 633.8 | 633.5 |
| 27.5° | 633.8 | 632.4 | 629.8 | 626.1 | 623.5 | 620.9 | 619.4 | 617.2 | 616.5 | 614.3 | 613.9 |
| 30° | 605.0 | 603.2 | 598.0 | 596.5 | 592.1 | 589.5 | 589.5 | 586.5 | 586.9 | 585.4 | 585.4 |
| 32.5° | 559.6 | 556.6 | 552.5 | 549.6 | 546.6 | 545.1 | 545.1 | 544.0 | 544.8 | 544.8 | 545.5 |
| 35° | 499.3 | 495.3 | 493.0 | 491.2 | 491.2 | 492.7 | 497.1 | 498.2 | 500.4 | 502.3 | 503.8 |
| 37.5° | 422.1 | 421.7 | 424.3 | 426.5 | 432.1 | 438.3 | 446.1 | 452.7 | 459.0 | 463.5 | 467.9 |
| 40° | 338.5 | 347.8 | 355.2 | 365.5 | 374.0 | 386.2 | 400.3 | 411.7 | 422.4 | 430.2 | 438.3 |
| 42.5° | 264.3 | 276.1 | 291.6 | 306.8 | 321.9 | 338.5 | 357.0 | 372.9 | 387.0 | 397.7 | 406.2 |
| 45° | 205.9 | 222.1 | 241.0 | 260.2 | 279.8 | 300.5 | 319.7 | 336.0 | 350.7 | 361.8 | 370.3 |
| 47.5° | 165.9 | 183.7 | 205.1 | 226.2 | 248.4 | 270.2 | 291.6 | 305.7 | 317.8 | 326.7 | 334.5 |
| 50° | 137.1 | 156.0 | 178.5 | 202.5 | 224.7 | 246.5 | 265.0 | 278.7 | 288.7 | 296.4 | 301.2 |
| 52.5° | 114.6 | 134.5 | 158.6 | 182.6 | 204.7 | 224.7 | 241.3 | 251.7 | 259.8 | 265.4 | 269.8 |
| 55° | 94.6 | 113.8 | 136.4 | 158.9 | 180.7 | 199.6 | 213.2 | 221.0 | 227.3 | 230.6 | 233.2 |
| 57.5° | 77.2 | 95.0 | 115.7 | 136.4 | 155.2 | 170.8 | 181.5 | 189.2 | 192.2 | 194.8 | 194.4 |
| 60° | 60.6 | 77.2 | 96.1 | 113.8 | 130.1 | 142.7 | 150.4 | 154.9 | 157.1 | 158.2 | 157.4 |
| 62.5° | 47.7 | 62.8 | 77.2 | 92.8 | 104.6 | 115.3 | 122.7 | 122.7 | 123.8 | 124.2 | 125.3 |
| 65° | 35.5 | 46.9 | 59.5 | 71.0 | 80.6 | 87.6 | 91.7 | 92.8 | 94.2 | 93.9 | 93.1 |
| 67.5° | 26.2 | 34.7 | 44.0 | 52.5 | 59.1 | 63.6 | 66.5 | 69.1 | 68.7 | 68.0 | 67.6 |
| 70° | 18.1 | 23.7 | 31.8 | 37.0 | 41.8 | 46.2 | 46.9 | 47.3 | 47.7 | 48.0 | 47.3 |
| 72.5° | 12.6 | 16.6 | 21.1 | 25.5 | 28.5 | 30.3 | 32.2 | 32.5 | 32.5 | 32.5 | 32.2 |
| 75° | 6.3 | 8.5 | 12.6 | 14.4 | 17.0 | 17.7 | 19.2 | 19.2 | 20.3 | 18.8 | 18.5 |
| 77.5° | 5.5 | 6.7 | 8.9 | 10.3 | 11.5 | 12.6 | 12.9 | 14.0 | 13.7 | 12.9 | 13.3 |
| 80° | 3.3 | 4.1 | 5.5 | 6.3 | 7.8 | 8.1 | 8.5 | 8.9 | 8.5 | 8.9 | 8.9 |
| 82.5° | 2.6 | 3.0 | 3.7 | 3.7 | 4.8 | 4.8 | 5.2 | 5.2 | 5.5 | 5.5 | 5.5 |
| 85° | 1.5 | 2.6 | 2.2 | 4.4 | 3.0 | 3.0 | 3.7 | 4.4 | 3.7 | 3.7 | 4.4 |
| 87.5° | 1.5 | 1.5 | 1.1 | 1.5 | 1.5 | 1.5 | 1.8 | 2.2 | 2.2 | 2.6 | 2.2 |
| 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: P246073

CATALOG NUMBER: LSR8B15D010 EC8B15935 8LBDW0GPH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 688.5 | 688.5 | 688.5 | 688.5 |
| 2.5° | 689.7 | 690.4 | 689.3 | 688.9 |
| 5° | 690.8 | 690.8 | 690.0 | 690.0 |
| 7.5° | 690.8 | 690.8 | 689.7 | 688.9 |
| 10° | 687.8 | 687.8 | 686.7 | 686.0 |
| 12.5° | 682.3 | 682.3 | 681.9 | 680.8 |
| 15° | 675.2 | 675.2 | 673.8 | 672.7 |
| 17.5° | 665.6 | 666.4 | 664.5 | 664.5 |
| 20° | 655.3 | 654.9 | 653.4 | 652.7 |
| 22.5° | 644.6 | 643.8 | 643.5 | 641.2 |
| 25° | 633.1 | 632.4 | 631.3 | 630.2 |
| 27.5° | 613.5 | 613.2 | 612.0 | 610.6 |
| 30° | 583.6 | 583.2 | 581.7 | 581.7 |
| 32.5° | 544.8 | 544.4 | 542.9 | 543.3 |
| 35° | 504.5 | 506.0 | 505.2 | 503.8 |
| 37.5° | 470.9 | 472.0 | 472.7 | 472.0 |
| 40° | 442.8 | 446.1 | 446.5 | 447.2 |
| 42.5° | 412.8 | 417.3 | 418.7 | 419.5 |
| 45° | 377.0 | 381.0 | 384.4 | 383.6 |
| 47.5° | 340.4 | 343.3 | 346.3 | 344.1 |
| 50° | 305.3 | 307.1 | 308.2 | 308.2 |
| 52.5° | 272.0 | 272.0 | 271.6 | 272.0 |
| 55° | 233.9 | 233.9 | 232.5 | 233.2 |
| 57.5° | 194.0 | 194.8 | 193.7 | 191.8 |
| 60° | 157.1 | 155.2 | 154.5 | 153.4 |
| 62.5° | 122.3 | 122.3 | 119.8 | 123.1 |
| 65° | 91.7 | 90.5 | 89.4 | 89.1 |
| 67.5° | 66.5 | 66.2 | 65.0 | 64.7 |
| 70° | 46.9 | 45.5 | 45.1 | 44.3 |
| 72.5° | 31.4 | 31.4 | 30.7 | 30.7 |
| 75° | 19.2 | 17.4 | 17.0 | 17.4 |
| 77.5° | 13.3 | 12.9 | 12.9 | 12.6 |
| 80° | 8.9 | 8.5 | 9.2 | 8.1 |
| 82.5° | 5.5 | 5.9 | 5.5 | 5.9 |
| 85° | 3.7 | 4.4 | 4.1 | 4.1 |
| 87.5° | 2.2 | 2.2 | 2.2 | 2.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)