

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: P246192

Luminaire Tested: **LSR8B10D010 EC8B10840 8LBDW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246192
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: LSR8B10D010 EC8B10840 8LBDW0MW
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1136.0 lumens
Efficiency: N/A
Efficacy: 111.4 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

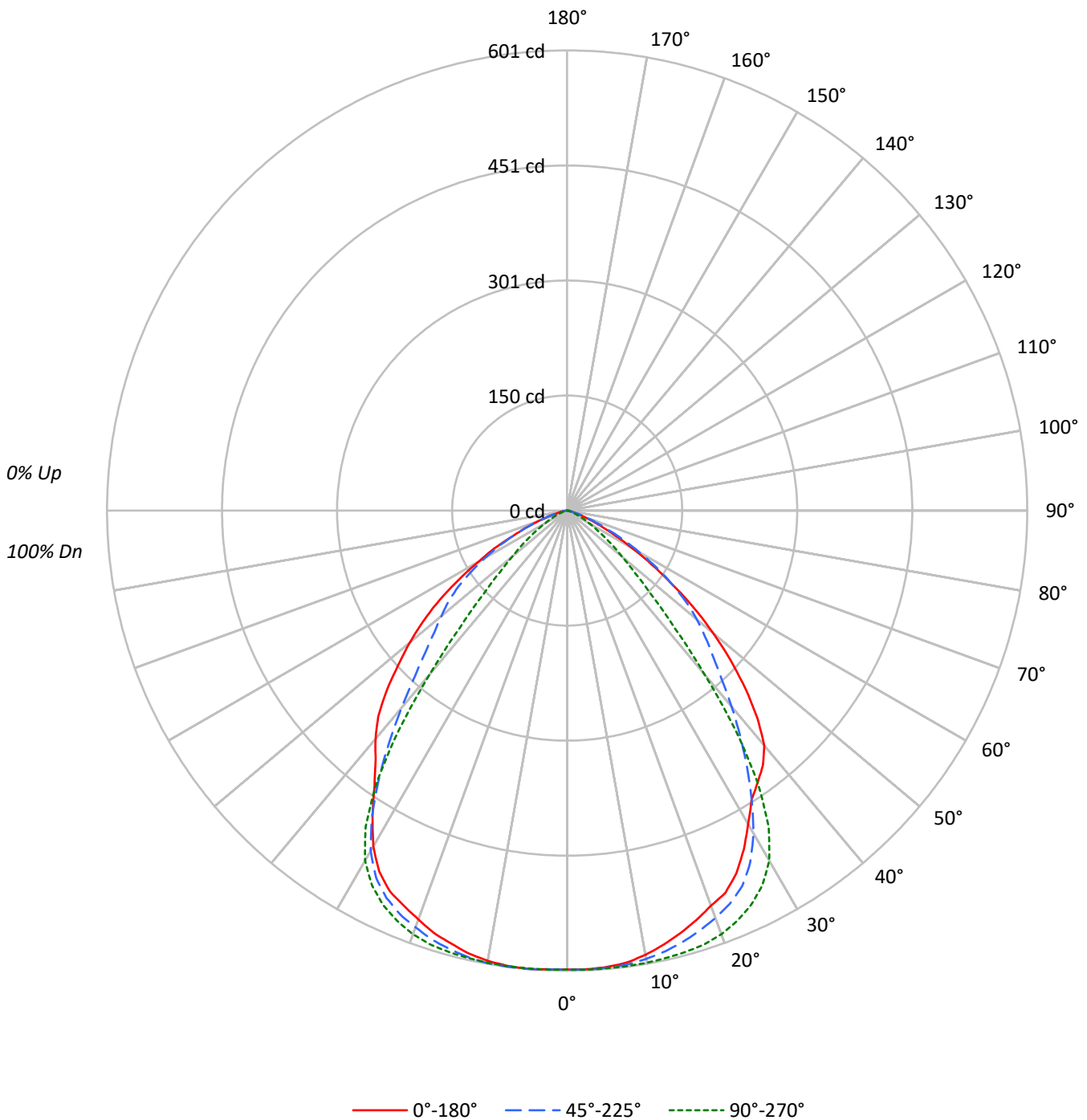
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246192

CATALOG NUMBER: LSR8B10D010 EC8B10840 8LBDW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P246192

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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 | 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° | 18483 | 18483 | 18483 |
| 5° | 18523 | 18572 | 18594 |
| 10° | 18446 | 18778 | 18696 |
| 15° | 18241 | 19052 | 18692 |
| 20° | 18022 | 19322 | 18646 |
| 25° | 17788 | 19343 | 18662 |
| 30° | 16828 | 18800 | 18031 |
| 35° | 16326 | 16338 | 16507 |
| 40° | 16122 | 11243 | 15671 |
| 45° | 14365 | 6751 | 14565 |
| 50° | 11945 | 4490 | 12871 |
| 55° | 8962 | 3097 | 10914 |
| 60° | 6069 | 2066 | 8233 |
| 65° | 3663 | 1335 | 5655 |
| 70° | 2029 | 721 | 3480 |
| 75° | 917 | 310 | 1799 |
| 80° | 799 | 337 | 1261 |
| 85° | 920 | 460 | 1238 |



TEST NUMBER: P246192

CATALOG NUMBER: LSR8B10D010 EC8B10840 8LBDW0MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 57.2 | 5.0 |
| 10°-20° | 166.1 | 14.6 |
| 20°-30° | 252.1 | 22.2 |
| 30°-40° | 264.8 | 23.3 |
| 40°-50° | 198.5 | 17.5 |
| 50°-60° | 127.4 | 11.2 |
| 60°-70° | 54.5 | 4.8 |
| 70°-80° | 12.9 | 1.1 |
| 80°-90° | 2.4 | 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° | 475.5 | 41.9 |
| 0°-40° | 740.3 | 65.2 |
| 0°-60° | 1066.2 | 93.9 |
| 0°-90° | 1136.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1136.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 599 | 599 | 599 | 599 | 599 | |
| 5° | 598 | 599 | 600 | 601 | 601 | 57 |
| 15° | 571 | 583 | 597 | 593 | 586 | 161 |
| 25° | 523 | 541 | 568 | 558 | 548 | 239 |
| 35° | 434 | 410 | 434 | 429 | 438 | 272 |
| 45° | 329 | 269 | 155 | 262 | 334 | 252 |
| 55° | 167 | 167 | 58 | 174 | 203 | 151 |
| 65° | 50 | 59 | 18 | 76 | 78 | 54 |
| 75° | 8 | 9 | 3 | 15 | 15 | 11 |
| 85° | 3 | 2 | 1 | 3 | 4 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P246192

CATALOG NUMBER: LSR8B10D010 EC8B10840 8LBDW0MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 |
| 2.5° | 599.7 | 600.3 | 600.0 | 600.0 | 599.7 | 600.0 | 600.0 | 600.7 | 600.7 | 600.0 | 599.7 |
| 5° | 598.4 | 599.1 | 599.1 | 598.4 | 598.4 | 600.0 | 599.1 | 599.7 | 599.7 | 599.4 | 599.4 |
| 7.5° | 595.5 | 595.5 | 596.8 | 595.8 | 595.8 | 596.8 | 596.5 | 597.1 | 597.8 | 598.1 | 598.1 |
| 10° | 589.1 | 589.7 | 590.0 | 590.0 | 590.4 | 591.3 | 592.0 | 593.3 | 593.9 | 594.6 | 594.9 |
| 12.5° | 581.0 | 582.0 | 582.3 | 582.0 | 583.0 | 584.3 | 585.9 | 587.5 | 588.4 | 589.7 | 590.7 |
| 15° | 571.4 | 571.4 | 572.0 | 573.0 | 573.6 | 575.6 | 577.2 | 579.1 | 581.7 | 583.3 | 584.9 |
| 17.5° | 560.8 | 561.4 | 562.4 | 562.4 | 563.7 | 566.9 | 567.8 | 570.7 | 573.6 | 575.2 | 578.5 |
| 20° | 549.2 | 549.8 | 550.8 | 551.4 | 553.0 | 555.6 | 557.6 | 560.1 | 563.3 | 566.2 | 569.5 |
| 22.5° | 540.2 | 538.9 | 539.5 | 540.2 | 541.8 | 544.0 | 546.3 | 549.5 | 552.7 | 555.6 | 558.8 |
| 25° | 522.8 | 523.1 | 524.1 | 524.7 | 526.7 | 528.6 | 531.2 | 535.0 | 537.9 | 541.1 | 544.7 |
| 27.5° | 499.3 | 499.6 | 501.2 | 501.2 | 502.9 | 506.1 | 507.7 | 510.9 | 514.8 | 518.0 | 522.2 |
| 30° | 472.6 | 473.3 | 473.3 | 474.5 | 475.5 | 477.1 | 478.7 | 481.9 | 483.9 | 486.8 | 492.6 |
| 32.5° | 448.2 | 448.8 | 448.5 | 448.2 | 447.2 | 446.9 | 446.6 | 447.2 | 447.8 | 448.8 | 451.1 |
| 35° | 433.7 | 432.1 | 430.8 | 428.5 | 426.0 | 422.7 | 419.9 | 416.0 | 412.5 | 409.6 | 406.3 |
| 37.5° | 419.9 | 419.5 | 417.6 | 414.4 | 409.2 | 403.4 | 396.7 | 388.3 | 380.0 | 371.0 | 362.3 |
| 40° | 400.5 | 399.6 | 398.0 | 393.5 | 387.7 | 380.6 | 371.6 | 361.3 | 347.8 | 334.0 | 319.8 |
| 42.5° | 367.7 | 368.1 | 366.1 | 362.6 | 357.1 | 350.4 | 341.0 | 329.8 | 315.3 | 298.9 | 280.5 |
| 45° | 329.4 | 329.4 | 328.8 | 325.9 | 322.0 | 316.6 | 309.5 | 300.2 | 286.0 | 269.3 | 249.7 |
| 47.5° | 289.6 | 289.9 | 288.9 | 288.3 | 286.7 | 283.1 | 278.0 | 270.9 | 260.9 | 244.8 | 225.2 |
| 50° | 249.0 | 249.0 | 250.6 | 250.3 | 250.3 | 249.0 | 246.8 | 242.6 | 233.9 | 221.0 | 202.7 |
| 52.5° | 208.5 | 209.1 | 210.1 | 211.4 | 213.0 | 215.6 | 213.0 | 211.1 | 205.6 | 195.6 | 179.8 |
| 55° | 166.7 | 167.3 | 168.9 | 171.2 | 173.1 | 175.7 | 176.3 | 176.3 | 173.4 | 166.7 | 154.8 |
| 57.5° | 130.9 | 130.0 | 131.3 | 133.2 | 135.8 | 138.3 | 140.3 | 142.5 | 142.2 | 137.7 | 128.0 |
| 60° | 98.4 | 98.8 | 99.7 | 101.7 | 103.6 | 105.8 | 108.4 | 110.4 | 111.3 | 109.1 | 103.0 |
| 62.5° | 71.7 | 71.7 | 73.0 | 75.0 | 75.9 | 79.1 | 80.8 | 81.7 | 82.7 | 82.4 | 78.5 |
| 65° | 50.2 | 50.8 | 51.5 | 52.4 | 53.4 | 55.3 | 56.3 | 58.2 | 58.9 | 59.2 | 56.3 |
| 67.5° | 35.4 | 34.4 | 35.1 | 35.7 | 36.7 | 38.0 | 39.9 | 39.9 | 40.9 | 40.9 | 38.9 |
| 70° | 22.5 | 22.5 | 22.8 | 23.8 | 24.5 | 24.8 | 25.4 | 26.1 | 27.0 | 26.7 | 26.7 |
| 72.5° | 15.1 | 14.8 | 15.1 | 15.4 | 15.8 | 16.7 | 16.7 | 17.1 | 17.7 | 18.0 | 16.7 |
| 75° | 7.7 | 8.0 | 8.7 | 8.4 | 9.3 | 8.7 | 9.0 | 10.0 | 9.7 | 9.0 | 9.0 |
| 77.5° | 6.4 | 6.4 | 6.4 | 6.1 | 6.8 | 6.8 | 6.4 | 7.1 | 6.8 | 6.8 | 6.4 |
| 80° | 4.5 | 4.8 | 4.5 | 4.2 | 4.5 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 3.9 |
| 82.5° | 3.5 | 2.9 | 3.2 | 2.9 | 3.2 | 3.2 | 2.9 | 2.6 | 2.6 | 2.9 | 2.6 |
| 85° | 2.6 | 1.9 | 2.3 | 2.3 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.6 | 1.6 |
| 87.5° | 1.6 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 | 1.0 | 1.3 | 1.3 | 0.6 |
| 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: P246192

CATALOG NUMBER: LSR8B10D010 EC8B10840 8LBDW0MW

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 |
| 2.5° | 600.3 | 600.0 | 600.7 | 600.3 | 600.3 | 600.0 | 600.3 | 600.0 | 600.7 | 599.4 | 599.7 |
| 5° | 600.3 | 599.7 | 600.0 | 600.3 | 600.7 | 600.0 | 600.0 | 600.0 | 600.7 | 600.0 | 600.3 |
| 7.5° | 599.1 | 598.7 | 599.7 | 600.3 | 600.0 | 599.7 | 600.3 | 600.0 | 600.7 | 600.3 | 601.0 |
| 10° | 596.5 | 596.8 | 597.4 | 598.4 | 598.7 | 599.1 | 599.7 | 599.7 | 600.7 | 599.4 | 600.0 |
| 12.5° | 592.6 | 593.9 | 595.5 | 596.2 | 597.4 | 597.4 | 598.1 | 598.4 | 599.1 | 598.7 | 599.7 |
| 15° | 587.8 | 589.4 | 591.3 | 592.9 | 594.6 | 595.5 | 596.5 | 596.8 | 597.8 | 596.8 | 597.1 |
| 17.5° | 582.0 | 583.9 | 586.8 | 588.8 | 591.3 | 592.3 | 593.6 | 594.2 | 595.2 | 594.6 | 594.9 |
| 20° | 574.0 | 576.2 | 579.4 | 582.3 | 583.9 | 586.2 | 587.8 | 588.8 | 589.4 | 588.8 | 589.1 |
| 22.5° | 562.7 | 565.9 | 570.1 | 572.4 | 575.6 | 577.5 | 577.8 | 580.1 | 581.7 | 580.1 | 580.7 |
| 25° | 549.5 | 552.7 | 555.9 | 560.8 | 563.7 | 565.9 | 568.2 | 568.5 | 570.1 | 569.8 | 569.5 |
| 27.5° | 527.6 | 531.8 | 537.3 | 541.1 | 545.0 | 548.5 | 551.1 | 551.8 | 553.4 | 552.7 | 553.0 |
| 30° | 497.7 | 502.2 | 507.4 | 513.5 | 518.9 | 522.5 | 525.7 | 528.0 | 529.6 | 528.6 | 528.3 |
| 32.5° | 455.2 | 459.7 | 465.2 | 471.3 | 477.8 | 482.9 | 486.8 | 489.7 | 491.6 | 491.0 | 489.3 |
| 35° | 406.7 | 407.9 | 411.5 | 416.3 | 421.8 | 427.3 | 430.8 | 434.0 | 436.3 | 436.9 | 436.9 |
| 37.5° | 356.8 | 352.6 | 350.0 | 350.0 | 353.3 | 355.5 | 358.7 | 360.7 | 364.2 | 365.5 | 366.4 |
| 40° | 308.5 | 298.9 | 289.9 | 283.1 | 278.6 | 278.3 | 278.3 | 279.3 | 282.5 | 286.7 | 290.5 |
| 42.5° | 265.4 | 250.0 | 236.1 | 223.6 | 214.6 | 209.4 | 207.2 | 207.5 | 210.1 | 213.9 | 220.4 |
| 45° | 231.0 | 211.7 | 194.3 | 179.2 | 167.0 | 158.9 | 155.1 | 154.8 | 156.7 | 161.2 | 168.3 |
| 47.5° | 204.3 | 183.7 | 164.1 | 146.7 | 133.5 | 124.8 | 120.3 | 119.0 | 120.3 | 124.5 | 132.9 |
| 50° | 182.1 | 160.9 | 140.6 | 122.6 | 108.4 | 99.4 | 95.2 | 93.6 | 95.2 | 98.8 | 107.1 |
| 52.5° | 161.5 | 139.6 | 120.6 | 103.3 | 88.2 | 80.4 | 75.9 | 75.0 | 75.9 | 80.1 | 86.9 |
| 55° | 137.7 | 119.0 | 100.4 | 83.0 | 69.8 | 62.1 | 58.6 | 57.6 | 58.6 | 62.4 | 69.5 |
| 57.5° | 114.2 | 98.1 | 81.7 | 66.0 | 54.7 | 47.9 | 44.7 | 43.4 | 45.7 | 48.3 | 56.6 |
| 60° | 92.3 | 79.5 | 65.6 | 51.8 | 42.5 | 36.4 | 33.8 | 33.5 | 34.1 | 37.3 | 43.1 |
| 62.5° | 72.4 | 61.8 | 50.8 | 39.6 | 31.9 | 29.3 | 26.1 | 25.7 | 26.4 | 28.3 | 32.8 |
| 65° | 52.1 | 45.4 | 37.0 | 29.0 | 22.8 | 19.3 | 18.0 | 18.3 | 19.0 | 20.3 | 24.5 |
| 67.5° | 36.4 | 31.5 | 25.7 | 20.3 | 15.8 | 14.2 | 12.9 | 12.5 | 12.9 | 15.1 | 17.4 |
| 70° | 24.5 | 21.6 | 17.4 | 15.4 | 10.9 | 8.7 | 9.0 | 8.0 | 9.3 | 9.3 | 11.3 |
| 72.5° | 16.1 | 14.2 | 11.6 | 9.0 | 7.7 | 6.1 | 6.1 | 5.8 | 6.4 | 6.8 | 8.4 |
| 75° | 8.4 | 6.4 | 6.4 | 4.5 | 3.2 | 1.6 | 2.9 | 2.6 | 2.3 | 2.6 | 3.2 |
| 77.5° | 5.8 | 4.8 | 4.5 | 3.5 | 3.2 | 2.6 | 2.6 | 2.6 | 2.6 | 2.9 | 3.2 |
| 80° | 3.5 | 3.5 | 2.6 | 2.3 | 1.9 | 1.6 | 1.9 | 1.9 | 1.9 | 1.9 | 2.3 |
| 82.5° | 2.3 | 1.9 | 1.9 | 1.6 | 1.6 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.9 |
| 85° | 1.9 | 1.3 | 1.3 | 1.0 | 1.3 | 2.3 | 1.0 | 1.3 | 1.3 | 1.3 | 1.0 |
| 87.5° | 0.6 | 1.0 | 1.0 | 1.0 | 0.6 | 0.3 | 0.6 | 1.0 | 1.0 | 1.6 | 1.3 |
| 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):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 | 599.4 |
| 2.5° | 600.3 | 600.7 | 600.7 | 600.3 | 600.3 | 599.7 | 601.0 | 600.0 | 600.3 | 601.6 | 600.7 |
| 5° | 601.0 | 601.3 | 601.3 | 601.0 | 601.0 | 601.0 | 601.3 | 601.3 | 601.0 | 600.7 | 601.3 |
| 7.5° | 602.3 | 602.0 | 602.0 | 601.3 | 601.3 | 600.7 | 601.3 | 600.3 | 601.0 | 600.3 | 601.3 |
| 10° | 600.7 | 601.0 | 600.7 | 600.3 | 600.3 | 600.0 | 600.0 | 599.1 | 599.4 | 598.4 | 599.1 |
| 12.5° | 599.7 | 599.4 | 599.4 | 598.7 | 598.1 | 597.4 | 597.1 | 596.2 | 596.2 | 593.9 | 594.9 |
| 15° | 597.1 | 597.4 | 596.5 | 595.2 | 594.6 | 592.9 | 592.3 | 591.0 | 589.7 | 588.1 | 588.4 |
| 17.5° | 594.9 | 593.9 | 592.6 | 591.3 | 588.8 | 587.5 | 586.2 | 584.3 | 583.6 | 581.7 | 581.0 |
| 20° | 588.1 | 587.5 | 585.9 | 583.6 | 582.0 | 579.1 | 577.8 | 575.9 | 574.3 | 572.4 | 571.4 |
| 22.5° | 579.4 | 578.8 | 576.9 | 574.6 | 572.0 | 570.7 | 569.5 | 565.9 | 564.3 | 562.4 | 562.1 |
| 25° | 568.5 | 567.5 | 565.6 | 563.0 | 561.7 | 558.2 | 556.9 | 554.3 | 553.7 | 551.8 | 551.4 |
| 27.5° | 551.8 | 550.5 | 548.2 | 545.0 | 542.8 | 540.5 | 539.2 | 537.3 | 536.6 | 534.7 | 534.4 |
| 30° | 526.7 | 525.1 | 520.6 | 519.3 | 515.4 | 513.2 | 513.2 | 510.6 | 510.9 | 509.6 | 509.6 |
| 32.5° | 487.1 | 484.5 | 481.0 | 478.4 | 475.8 | 474.5 | 474.5 | 473.6 | 474.2 | 474.2 | 474.9 |
| 35° | 434.7 | 431.1 | 429.2 | 427.6 | 427.6 | 428.9 | 432.7 | 433.7 | 435.6 | 437.2 | 438.5 |
| 37.5° | 367.4 | 367.1 | 369.3 | 371.3 | 376.1 | 381.6 | 388.3 | 394.1 | 399.6 | 403.4 | 407.3 |
| 40° | 294.7 | 302.7 | 309.2 | 318.2 | 325.6 | 336.2 | 348.4 | 358.4 | 367.7 | 374.5 | 381.6 |
| 42.5° | 230.0 | 240.3 | 253.8 | 267.0 | 280.2 | 294.7 | 310.8 | 324.6 | 336.8 | 346.2 | 353.6 |
| 45° | 179.2 | 193.4 | 209.8 | 226.5 | 243.5 | 261.6 | 278.3 | 292.4 | 305.3 | 315.0 | 322.4 |
| 47.5° | 144.5 | 159.9 | 178.6 | 196.9 | 216.2 | 235.2 | 253.8 | 266.1 | 276.7 | 284.4 | 291.2 |
| 50° | 119.4 | 135.8 | 155.4 | 176.3 | 195.6 | 214.6 | 230.7 | 242.6 | 251.3 | 258.0 | 262.2 |
| 52.5° | 99.7 | 117.1 | 138.0 | 158.9 | 178.2 | 195.6 | 210.1 | 219.1 | 226.2 | 231.0 | 234.9 |
| 55° | 82.4 | 99.1 | 118.7 | 138.3 | 157.3 | 173.7 | 185.6 | 192.4 | 197.9 | 200.8 | 203.0 |
| 57.5° | 67.2 | 82.7 | 100.7 | 118.7 | 135.1 | 148.6 | 158.0 | 164.7 | 167.3 | 169.5 | 169.2 |
| 60° | 52.8 | 67.2 | 83.6 | 99.1 | 113.2 | 124.2 | 130.9 | 134.8 | 136.7 | 137.7 | 137.1 |
| 62.5° | 41.5 | 54.7 | 67.2 | 80.8 | 91.0 | 100.4 | 106.8 | 106.8 | 107.8 | 108.1 | 109.1 |
| 65° | 30.9 | 40.9 | 51.8 | 61.8 | 70.1 | 76.2 | 79.8 | 80.8 | 82.0 | 81.7 | 81.1 |
| 67.5° | 22.8 | 30.2 | 38.3 | 45.7 | 51.5 | 55.3 | 57.9 | 60.2 | 59.8 | 59.2 | 58.9 |
| 70° | 15.8 | 20.6 | 27.7 | 32.2 | 36.4 | 40.2 | 40.9 | 41.2 | 41.5 | 41.8 | 41.2 |
| 72.5° | 10.9 | 14.5 | 18.3 | 22.2 | 24.8 | 26.4 | 28.0 | 28.3 | 28.3 | 28.3 | 28.0 |
| 75° | 5.5 | 7.4 | 10.9 | 12.5 | 14.8 | 15.4 | 16.7 | 16.7 | 17.7 | 16.4 | 16.1 |
| 77.5° | 4.8 | 5.8 | 7.7 | 9.0 | 10.0 | 10.9 | 11.3 | 12.2 | 11.9 | 11.3 | 11.6 |
| 80° | 2.9 | 3.5 | 4.8 | 5.5 | 6.8 | 7.1 | 7.4 | 7.7 | 7.4 | 7.7 | 7.7 |
| 82.5° | 2.3 | 2.6 | 3.2 | 3.2 | 4.2 | 4.2 | 4.5 | 4.5 | 4.8 | 4.8 | 4.8 |
| 85° | 1.3 | 2.3 | 1.9 | 3.9 | 2.6 | 2.6 | 3.2 | 3.9 | 3.2 | 3.2 | 3.9 |
| 87.5° | 1.3 | 1.3 | 1.0 | 1.3 | 1.3 | 1.3 | 1.6 | 1.9 | 1.9 | 2.3 | 1.9 |
| 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: P246192

CATALOG NUMBER: LSR8B10D010 EC8B10840 8LBDW0MW

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 599.4 | 599.4 | 599.4 | 599.4 |
| 2.5° | 600.3 | 601.0 | 600.0 | 599.7 |
| 5° | 601.3 | 601.3 | 600.7 | 600.7 |
| 7.5° | 601.3 | 601.3 | 600.3 | 599.7 |
| 10° | 598.7 | 598.7 | 597.8 | 597.1 |
| 12.5° | 593.9 | 593.9 | 593.6 | 592.6 |
| 15° | 587.8 | 587.8 | 586.5 | 585.5 |
| 17.5° | 579.4 | 580.1 | 578.5 | 578.5 |
| 20° | 570.4 | 570.1 | 568.8 | 568.2 |
| 22.5° | 561.1 | 560.4 | 560.1 | 558.2 |
| 25° | 551.1 | 550.5 | 549.5 | 548.5 |
| 27.5° | 534.1 | 533.7 | 532.8 | 531.5 |
| 30° | 508.0 | 507.7 | 506.4 | 506.4 |
| 32.5° | 474.2 | 473.9 | 472.6 | 472.9 |
| 35° | 439.2 | 440.4 | 439.8 | 438.5 |
| 37.5° | 409.9 | 410.8 | 411.5 | 410.8 |
| 40° | 385.4 | 388.3 | 388.6 | 389.3 |
| 42.5° | 359.4 | 363.2 | 364.5 | 365.2 |
| 45° | 328.2 | 331.7 | 334.6 | 334.0 |
| 47.5° | 296.3 | 298.9 | 301.5 | 299.5 |
| 50° | 265.7 | 267.4 | 268.3 | 268.3 |
| 52.5° | 236.8 | 236.8 | 236.5 | 236.8 |
| 55° | 203.7 | 203.7 | 202.4 | 203.0 |
| 57.5° | 168.9 | 169.5 | 168.6 | 167.0 |
| 60° | 136.7 | 135.1 | 134.5 | 133.5 |
| 62.5° | 106.5 | 106.5 | 104.2 | 107.1 |
| 65° | 79.8 | 78.8 | 77.9 | 77.5 |
| 67.5° | 57.9 | 57.6 | 56.6 | 56.3 |
| 70° | 40.9 | 39.6 | 39.3 | 38.6 |
| 72.5° | 27.3 | 27.3 | 26.7 | 26.7 |
| 75° | 16.7 | 15.1 | 14.8 | 15.1 |
| 77.5° | 11.6 | 11.3 | 11.3 | 10.9 |
| 80° | 7.7 | 7.4 | 8.0 | 7.1 |
| 82.5° | 4.8 | 5.1 | 4.8 | 5.1 |
| 85° | 3.2 | 3.9 | 3.5 | 3.5 |
| 87.5° | 1.9 | 1.9 | 1.9 | 1.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)