

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: P244152

Luminaire Tested: **LD8B10D010 ER8B10930 8LBSW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244152
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 ER8B10930 8LBSW0LI
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

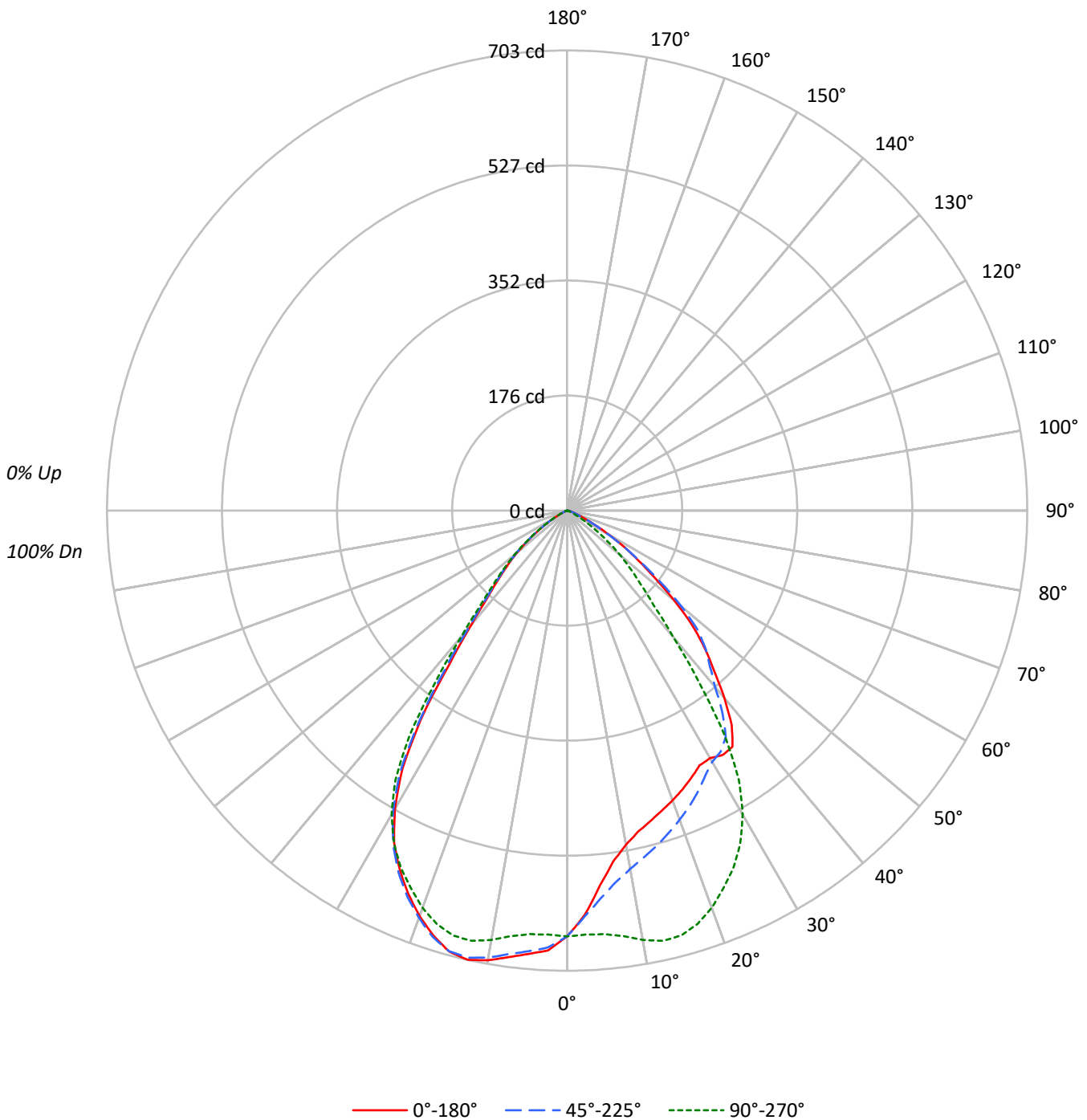
Lumens per Lamp: N/A
Luminaire Lumens: 995.5 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.2 / 1.11
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): 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: P244152
CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0LI

Luminous Intensity Polar Plot





TEST NUMBER: P244152

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0LI

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° | Luminaire represents a point source (luminous area is zero). | | |
| 5° | No luminance values can be calculated. | | |
| 10° | | | |
| 15° | | | |
| 20° | | | |
| 25° | | | |
| 30° | | | |
| 35° | | | |
| 40° | | | |
| 45° | | | |
| 50° | | | |
| 55° | | | |
| 60° | | | |
| 65° | | | |
| 70° | | | |
| 75° | | | |
| 80° | | | |
| 85° | | | |



TEST NUMBER: P244152

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0LI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 60.6 | 6.1 |
| 10°-20° | 175.1 | 17.6 |
| 20°-30° | 254.1 | 25.5 |
| 30°-40° | 250.3 | 25.1 |
| 40°-50° | 156.9 | 15.8 |
| 50°-60° | 75.7 | 7.6 |
| 60°-70° | 18.3 | 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° | 489.8 | 49.2 |
| 0°-40° | 740.0 | 74.3 |
| 0°-60° | 972.6 | 97.7 |
| 0°-90° | 995.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 995.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 650 | 650 | 650 | 650 | 650 | |
| 5° | 575 | 594 | 650 | 676 | 680 | 53 |
| 15° | 491 | 530 | 672 | 697 | 697 | 139 |
| 25° | 450 | 473 | 601 | 610 | 605 | 208 |
| 35° | 440 | 422 | 420 | 396 | 389 | 266 |
| 45° | 297 | 299 | 159 | 152 | 148 | 227 |
| 55° | 132 | 136 | 58 | 57 | 54 | 122 |
| 65° | 31 | 31 | 8 | 7 | 6 | 35 |
| 75° | 8 | 6 | 2 | 1 | 1 | 8 |
| 85° | 2 | 2 | 0 | 0 | 0 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P244152

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0LI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 |
| 2.5° | 618.2 | 614.3 | 606.9 | 615.8 | 615.8 | 610.8 | 620.7 | 614.8 | 619.6 | 627.1 | 620.4 |
| 5° | 574.7 | 571.5 | 565.4 | 574.7 | 576.0 | 571.4 | 583.4 | 578.9 | 585.8 | 595.1 | 594.2 |
| 7.5° | 540.4 | 536.3 | 530.7 | 540.4 | 542.3 | 539.2 | 550.7 | 548.6 | 557.9 | 569.8 | 571.9 |
| 10° | 518.0 | 513.8 | 508.8 | 517.7 | 519.1 | 517.0 | 528.7 | 527.4 | 536.5 | 550.3 | 555.8 |
| 12.5° | 502.2 | 498.6 | 493.1 | 502.5 | 504.0 | 501.1 | 512.1 | 511.5 | 520.9 | 535.5 | 542.3 |
| 15° | 491.1 | 486.7 | 481.8 | 489.9 | 491.9 | 488.6 | 499.1 | 498.1 | 507.6 | 521.9 | 529.7 |
| 17.5° | 480.7 | 476.8 | 471.6 | 479.1 | 481.1 | 477.8 | 488.0 | 486.3 | 494.5 | 508.1 | 516.0 |
| 20° | 470.9 | 466.7 | 462.0 | 469.7 | 470.9 | 467.0 | 477.2 | 475.0 | 482.4 | 495.0 | 502.7 |
| 22.5° | 460.8 | 456.4 | 451.5 | 459.2 | 460.3 | 456.4 | 465.8 | 463.2 | 470.0 | 481.5 | 488.5 |
| 25° | 449.7 | 445.6 | 440.8 | 447.8 | 448.8 | 444.6 | 454.5 | 451.2 | 457.3 | 467.3 | 473.2 |
| 27.5° | 438.6 | 434.7 | 429.3 | 436.5 | 437.1 | 432.9 | 442.0 | 437.5 | 442.6 | 451.8 | 456.7 |
| 30° | 436.7 | 432.3 | 426.8 | 432.6 | 432.8 | 427.5 | 436.1 | 430.8 | 433.5 | 440.3 | 443.2 |
| 32.5° | 442.7 | 438.3 | 432.6 | 437.4 | 436.9 | 431.1 | 439.3 | 432.8 | 433.6 | 437.2 | 436.5 |
| 35° | 440.3 | 435.1 | 428.3 | 433.5 | 433.5 | 426.4 | 434.7 | 427.0 | 426.1 | 426.7 | 422.4 |
| 37.5° | 413.2 | 409.1 | 402.8 | 407.7 | 407.1 | 401.9 | 408.2 | 401.9 | 399.0 | 397.7 | 390.1 |
| 40° | 373.2 | 368.2 | 363.4 | 368.7 | 369.3 | 363.7 | 371.8 | 364.7 | 363.8 | 360.4 | 351.3 |
| 42.5° | 332.7 | 330.9 | 326.3 | 330.8 | 333.2 | 328.5 | 335.2 | 331.8 | 332.4 | 331.5 | 323.0 |
| 45° | 297.3 | 294.4 | 291.0 | 296.1 | 297.6 | 295.3 | 302.1 | 300.1 | 302.1 | 306.4 | 299.3 |
| 47.5° | 259.2 | 256.3 | 252.6 | 258.1 | 260.7 | 256.3 | 262.1 | 261.4 | 264.4 | 271.8 | 271.2 |
| 50° | 213.2 | 211.2 | 210.5 | 211.2 | 212.9 | 210.9 | 214.9 | 215.1 | 217.1 | 227.2 | 227.9 |
| 52.5° | 168.8 | 168.3 | 165.9 | 168.2 | 168.2 | 164.9 | 168.9 | 167.1 | 169.2 | 176.0 | 180.5 |
| 55° | 132.1 | 131.6 | 130.0 | 132.1 | 129.8 | 128.7 | 129.8 | 128.0 | 126.4 | 131.7 | 136.3 |
| 57.5° | 102.9 | 101.1 | 99.3 | 100.1 | 100.0 | 97.4 | 98.8 | 96.5 | 95.4 | 97.2 | 101.3 |
| 60° | 73.3 | 72.8 | 71.1 | 72.0 | 72.6 | 70.7 | 72.1 | 71.1 | 69.1 | 70.5 | 70.7 |
| 62.5° | 48.7 | 49.0 | 48.0 | 48.2 | 47.6 | 47.3 | 48.2 | 48.7 | 48.2 | 47.5 | 47.6 |
| 65° | 30.9 | 30.7 | 30.6 | 30.7 | 31.1 | 30.4 | 30.9 | 31.3 | 30.7 | 30.7 | 30.6 |
| 67.5° | 20.5 | 20.0 | 19.5 | 19.8 | 20.2 | 19.6 | 20.2 | 20.0 | 20.2 | 20.0 | 19.5 |
| 70° | 13.8 | 13.7 | 13.5 | 13.7 | 13.7 | 13.3 | 13.7 | 13.5 | 13.7 | 13.5 | 13.0 |
| 72.5° | 10.1 | 10.1 | 9.9 | 10.1 | 10.1 | 9.8 | 9.9 | 9.5 | 9.8 | 9.5 | 9.2 |
| 75° | 7.5 | 7.5 | 7.4 | 7.5 | 7.4 | 7.2 | 7.4 | 7.2 | 6.8 | 6.8 | 6.5 |
| 77.5° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.3 | 5.3 | 5.2 | 4.9 | 4.8 | 4.8 |
| 80° | 4.1 | 3.9 | 3.9 | 3.9 | 3.9 | 3.8 | 3.9 | 3.8 | 3.6 | 3.4 | 3.3 |
| 82.5° | 2.9 | 3.0 | 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 | 1.3 | 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 |



TEST NUMBER: P244152

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0LI

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 |
| 2.5° | 629.3 | 630.1 | 628.3 | 631.1 | 642.4 | 633.4 | 637.2 | 638.3 | 646.9 | 648.4 | 647.4 |
| 5° | 605.3 | 609.2 | 611.5 | 618.0 | 630.5 | 623.9 | 630.7 | 634.9 | 645.8 | 649.5 | 650.3 |
| 7.5° | 586.6 | 594.5 | 600.3 | 610.8 | 625.5 | 620.6 | 630.7 | 637.6 | 651.0 | 655.6 | 657.8 |
| 10° | 572.6 | 584.5 | 594.6 | 609.2 | 625.7 | 622.5 | 635.6 | 645.5 | 660.4 | 665.9 | 668.6 |
| 12.5° | 562.0 | 576.5 | 590.0 | 608.5 | 626.4 | 624.8 | 640.8 | 652.0 | 667.8 | 673.2 | 676.4 |
| 15° | 550.3 | 567.1 | 582.8 | 603.4 | 622.8 | 622.5 | 639.5 | 651.5 | 667.6 | 672.2 | 675.3 |
| 17.5° | 536.5 | 554.4 | 571.7 | 594.1 | 613.2 | 613.5 | 630.8 | 642.7 | 658.4 | 662.1 | 664.2 |
| 20° | 522.5 | 540.3 | 557.5 | 580.6 | 599.4 | 599.8 | 616.8 | 627.8 | 642.8 | 645.8 | 646.4 |
| 22.5° | 507.6 | 524.2 | 541.4 | 564.3 | 582.5 | 582.8 | 599.5 | 609.8 | 622.6 | 624.2 | 625.5 |
| 25° | 490.8 | 506.9 | 523.2 | 545.9 | 563.2 | 564.2 | 579.4 | 588.4 | 600.3 | 601.4 | 602.0 |
| 27.5° | 473.2 | 486.4 | 502.0 | 521.5 | 538.9 | 538.2 | 552.5 | 562.9 | 573.4 | 572.7 | 572.6 |
| 30° | 455.4 | 466.4 | 476.0 | 494.8 | 507.6 | 508.1 | 521.6 | 526.6 | 537.7 | 536.3 | 536.2 |
| 32.5° | 442.9 | 445.8 | 448.4 | 457.9 | 470.0 | 465.8 | 475.0 | 481.1 | 488.9 | 488.3 | 488.5 |
| 35° | 419.9 | 414.7 | 407.0 | 408.4 | 415.7 | 409.1 | 414.0 | 413.9 | 421.7 | 419.8 | 422.1 |
| 37.5° | 380.8 | 365.8 | 348.7 | 339.0 | 340.3 | 332.0 | 330.2 | 334.4 | 337.1 | 331.8 | 333.7 |
| 40° | 339.2 | 316.9 | 290.3 | 268.0 | 266.9 | 256.5 | 254.6 | 250.4 | 255.8 | 251.3 | 252.7 |
| 42.5° | 308.4 | 279.0 | 244.0 | 217.0 | 211.2 | 202.5 | 197.3 | 196.6 | 198.2 | 195.2 | 194.3 |
| 45° | 284.8 | 253.6 | 213.4 | 182.5 | 176.0 | 166.6 | 161.4 | 159.6 | 159.7 | 158.7 | 157.8 |
| 47.5° | 257.2 | 225.7 | 185.1 | 153.5 | 146.1 | 137.2 | 132.1 | 130.9 | 131.6 | 130.1 | 129.1 |
| 50° | 218.9 | 190.7 | 153.6 | 124.8 | 118.3 | 111.8 | 107.6 | 106.5 | 106.3 | 105.3 | 104.6 |
| 52.5° | 177.7 | 154.2 | 122.2 | 98.1 | 92.3 | 86.0 | 83.1 | 81.5 | 81.7 | 80.6 | 79.6 |
| 55° | 137.5 | 123.0 | 94.6 | 74.2 | 68.8 | 63.9 | 61.2 | 59.3 | 58.7 | 57.7 | 57.3 |
| 57.5° | 102.3 | 92.6 | 71.0 | 53.5 | 50.4 | 45.6 | 42.9 | 40.7 | 40.4 | 39.8 | 39.7 |
| 60° | 71.7 | 64.8 | 49.9 | 38.1 | 34.5 | 31.6 | 28.9 | 26.7 | 25.7 | 25.4 | 25.0 |
| 62.5° | 46.5 | 42.1 | 32.8 | 25.4 | 22.8 | 20.6 | 17.9 | 16.4 | 15.7 | 15.0 | 15.2 |
| 65° | 28.9 | 25.7 | 20.5 | 16.4 | 14.9 | 13.3 | 11.3 | 9.9 | 9.2 | 8.5 | 8.7 |
| 67.5° | 17.9 | 16.0 | 13.0 | 10.6 | 9.5 | 8.4 | 6.8 | 5.8 | 5.3 | 4.8 | 4.5 |
| 70° | 12.1 | 10.4 | 8.9 | 7.5 | 6.8 | 5.9 | 4.9 | 4.1 | 3.8 | 3.4 | 3.0 |
| 72.5° | 8.5 | 7.7 | 6.5 | 5.6 | 5.2 | 4.5 | 3.8 | 3.3 | 2.9 | 2.6 | 2.2 |
| 75° | 6.2 | 5.5 | 4.8 | 4.1 | 3.8 | 3.4 | 2.9 | 2.6 | 2.2 | 1.9 | 1.6 |
| 77.5° | 4.5 | 3.9 | 3.4 | 3.0 | 2.9 | 2.4 | 2.0 | 1.9 | 1.7 | 1.3 | 1.0 |
| 80° | 3.0 | 2.7 | 2.2 | 2.0 | 2.0 | 1.7 | 1.6 | 1.3 | 1.2 | 0.9 | 0.7 |
| 82.5° | 2.0 | 1.9 | 1.7 | 1.6 | 1.3 | 1.2 | 1.2 | 0.9 | 0.7 | 0.6 | 0.3 |
| 85° | 1.6 | 1.3 | 1.2 | 1.0 | 1.0 | 0.9 | 0.7 | 0.6 | 0.6 | 0.3 | 0.2 |
| 87.5° | 0.9 | 0.9 | 0.7 | 0.6 | 0.6 | 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 |



TEST NUMBER: P244152

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0LI

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 |
| 2.5° | 656.1 | 656.7 | 659.5 | 657.4 | 663.0 | 667.0 | 665.0 | 669.6 | 668.1 | 667.8 | 673.0 |
| 5° | 660.6 | 661.7 | 665.6 | 663.6 | 669.8 | 674.3 | 672.2 | 677.3 | 675.7 | 675.4 | 680.9 |
| 7.5° | 669.1 | 670.2 | 673.7 | 672.0 | 678.5 | 682.5 | 679.9 | 685.5 | 683.5 | 683.2 | 688.6 |
| 10° | 679.9 | 681.6 | 684.5 | 682.8 | 688.7 | 692.2 | 689.6 | 695.0 | 693.2 | 692.3 | 698.2 |
| 12.5° | 687.8 | 689.1 | 692.0 | 690.6 | 696.5 | 699.1 | 696.8 | 702.1 | 699.7 | 699.1 | 704.1 |
| 15° | 686.1 | 687.2 | 689.6 | 688.4 | 693.9 | 696.3 | 693.3 | 699.2 | 696.8 | 695.5 | 700.1 |
| 17.5° | 674.1 | 674.7 | 676.4 | 675.3 | 681.0 | 682.6 | 679.3 | 685.2 | 682.9 | 680.6 | 685.0 |
| 20° | 656.5 | 656.1 | 657.1 | 656.7 | 661.4 | 662.3 | 660.3 | 664.5 | 662.0 | 660.6 | 663.1 |
| 22.5° | 634.6 | 634.3 | 634.9 | 633.6 | 638.3 | 638.9 | 635.8 | 640.9 | 638.3 | 635.8 | 640.1 |
| 25° | 610.3 | 608.5 | 608.1 | 608.6 | 611.8 | 612.4 | 609.2 | 612.9 | 609.6 | 607.6 | 611.7 |
| 27.5° | 580.5 | 578.0 | 577.5 | 578.0 | 581.2 | 578.9 | 576.2 | 578.9 | 575.6 | 573.7 | 576.3 |
| 30° | 543.5 | 540.1 | 538.5 | 537.5 | 541.0 | 540.1 | 533.8 | 536.8 | 531.7 | 529.0 | 530.9 |
| 32.5° | 493.8 | 491.9 | 487.9 | 485.4 | 488.6 | 482.1 | 478.2 | 478.2 | 476.2 | 471.6 | 472.6 |
| 35° | 424.7 | 421.8 | 418.1 | 416.0 | 416.6 | 407.8 | 401.3 | 402.8 | 395.9 | 394.7 | 395.2 |
| 37.5° | 337.4 | 332.7 | 331.3 | 327.0 | 328.0 | 320.4 | 311.5 | 311.6 | 308.1 | 304.4 | 303.1 |
| 40° | 253.6 | 252.7 | 251.3 | 247.7 | 249.1 | 240.8 | 237.3 | 237.5 | 235.1 | 232.4 | 233.7 |
| 42.5° | 196.0 | 193.3 | 192.4 | 191.2 | 191.6 | 190.1 | 185.7 | 186.2 | 184.2 | 183.5 | 182.8 |
| 45° | 159.3 | 156.4 | 154.2 | 155.4 | 155.4 | 153.8 | 152.1 | 153.1 | 152.1 | 150.7 | 151.3 |
| 47.5° | 131.3 | 128.5 | 127.5 | 127.3 | 128.5 | 127.5 | 125.8 | 126.1 | 125.9 | 125.4 | 125.1 |
| 50° | 104.7 | 104.0 | 103.2 | 102.7 | 103.2 | 102.9 | 101.3 | 102.1 | 102.7 | 101.0 | 101.5 |
| 52.5° | 79.8 | 79.8 | 79.6 | 78.5 | 79.5 | 78.5 | 78.2 | 78.6 | 78.1 | 77.3 | 77.2 |
| 55° | 58.4 | 58.0 | 57.1 | 56.9 | 57.3 | 56.9 | 56.6 | 56.7 | 57.1 | 55.4 | 55.4 |
| 57.5° | 40.0 | 39.7 | 39.1 | 39.1 | 39.8 | 39.0 | 38.5 | 39.1 | 38.5 | 37.8 | 37.8 |
| 60° | 25.7 | 25.4 | 25.0 | 25.0 | 25.0 | 24.8 | 24.2 | 24.4 | 24.8 | 23.8 | 23.9 |
| 62.5° | 15.4 | 14.9 | 14.7 | 14.6 | 14.7 | 14.6 | 14.6 | 14.3 | 14.2 | 14.2 | 13.7 |
| 65° | 8.4 | 8.1 | 7.7 | 7.8 | 7.8 | 7.7 | 7.7 | 7.7 | 7.4 | 7.2 | 7.0 |
| 67.5° | 4.3 | 3.9 | 3.9 | 3.8 | 3.8 | 3.8 | 3.8 | 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 | 1.6 | 1.6 | 1.6 | 1.3 | 1.3 | 1.3 | 1.3 | 1.2 | 1.2 |
| 75° | 1.3 | 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 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.3 |
| 80° | 0.6 | 0.6 | 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: P244152

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW01

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 | 650.3 |
| 2.5° | 671.1 | 669.8 | 670.7 | 677.0 | 674.3 | 673.4 | 666.2 | 672.5 |
| 5° | 679.2 | 678.2 | 678.2 | 685.4 | 682.1 | 681.5 | 674.4 | 679.9 |
| 7.5° | 686.7 | 685.7 | 685.8 | 693.2 | 690.6 | 689.6 | 682.6 | 688.1 |
| 10° | 696.5 | 695.8 | 695.9 | 703.0 | 700.2 | 699.2 | 692.0 | 697.6 |
| 12.5° | 702.2 | 701.2 | 701.2 | 708.7 | 705.7 | 704.1 | 697.3 | 702.8 |
| 15° | 697.8 | 696.3 | 696.3 | 703.8 | 700.4 | 698.2 | 692.2 | 697.3 |
| 17.5° | 682.6 | 681.0 | 681.0 | 687.5 | 685.0 | 681.8 | 675.6 | 680.3 |
| 20° | 661.4 | 659.5 | 659.0 | 666.5 | 663.0 | 660.0 | 654.6 | 659.1 |
| 22.5° | 637.5 | 636.6 | 635.0 | 642.7 | 639.4 | 636.3 | 630.5 | 634.0 |
| 25° | 608.8 | 607.5 | 605.9 | 613.2 | 609.9 | 606.9 | 602.3 | 605.2 |
| 27.5° | 573.1 | 573.3 | 572.4 | 578.2 | 575.0 | 573.3 | 567.6 | 572.4 |
| 30° | 529.9 | 528.0 | 527.3 | 534.2 | 531.0 | 528.8 | 521.8 | 526.4 |
| 32.5° | 473.5 | 470.7 | 467.1 | 474.9 | 469.6 | 467.7 | 461.6 | 468.4 |
| 35° | 391.5 | 390.6 | 387.3 | 393.8 | 390.9 | 387.5 | 383.7 | 389.4 |
| 37.5° | 302.6 | 303.2 | 302.9 | 304.7 | 302.9 | 300.8 | 296.6 | 294.6 |
| 40° | 231.0 | 229.2 | 227.9 | 231.0 | 227.5 | 227.5 | 225.0 | 227.6 |
| 42.5° | 181.2 | 180.5 | 182.2 | 182.8 | 180.8 | 180.5 | 180.1 | 179.9 |
| 45° | 149.5 | 149.5 | 149.9 | 150.6 | 149.9 | 149.5 | 148.5 | 147.7 |
| 47.5° | 123.2 | 123.9 | 123.2 | 125.4 | 124.2 | 123.9 | 121.9 | 122.6 |
| 50° | 99.8 | 99.0 | 99.8 | 100.4 | 100.7 | 99.7 | 98.5 | 99.1 |
| 52.5° | 77.3 | 76.0 | 75.7 | 76.7 | 76.0 | 76.0 | 75.3 | 75.2 |
| 55° | 54.5 | 55.0 | 54.1 | 55.0 | 54.7 | 54.1 | 53.7 | 54.4 |
| 57.5° | 36.9 | 37.1 | 36.8 | 37.2 | 36.4 | 36.5 | 36.4 | 36.2 |
| 60° | 23.9 | 23.2 | 23.2 | 23.8 | 22.9 | 22.9 | 22.8 | 22.8 |
| 62.5° | 13.7 | 13.5 | 13.5 | 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 | 3.3 | 3.3 | 3.4 | 3.3 | 3.3 | 3.3 | 3.3 |
| 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° | 0.6 | 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)