

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: P244614

Luminaire Tested: **LD8B10D010 ER8B10850 8LBDW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244614
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: LD8B10D010 ER8B10850 8LBDW0H
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1171.0 lumens
Efficiency: N/A
Efficacy: 114.8 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

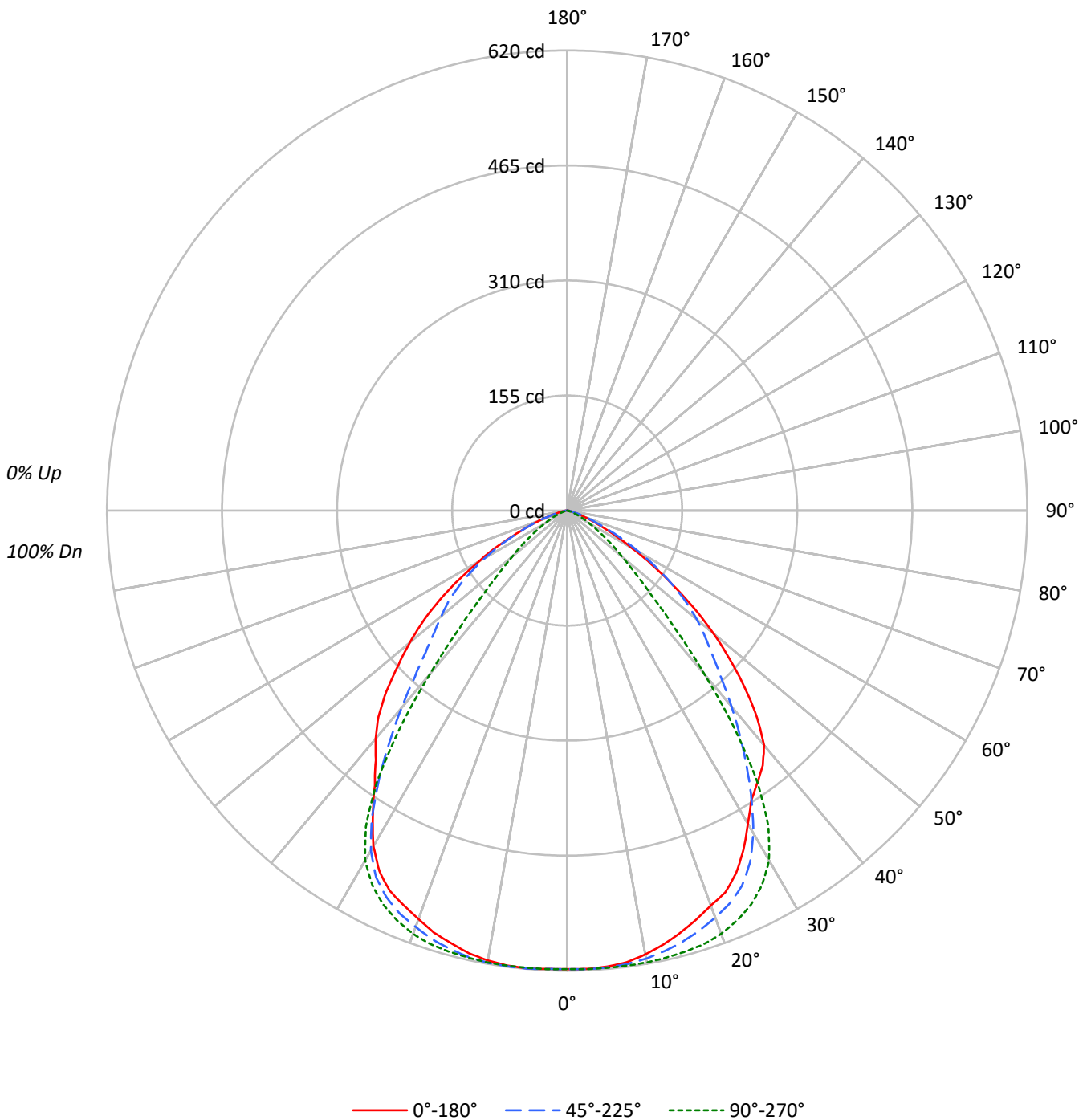
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244614

CATALOG NUMBER: LD8B10D010 ER8B10850 8LBDW0H

Luminous Intensity Polar Plot





TEST NUMBER: P244614

CATALOG NUMBER: LD8B10D010 ER8B10850 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 | 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° | 19051 | 19051 | 19051 |
| 5° | 19092 | 19145 | 19167 |
| 10° | 19013 | 19357 | 19273 |
| 15° | 18803 | 19640 | 19269 |
| 20° | 18577 | 19916 | 19220 |
| 25° | 18336 | 19938 | 19237 |
| 30° | 17348 | 19377 | 18587 |
| 35° | 16831 | 16842 | 17015 |
| 40° | 16621 | 11589 | 16154 |
| 45° | 14810 | 6956 | 15010 |
| 50° | 12315 | 4629 | 13269 |
| 55° | 9236 | 3193 | 11252 |
| 60° | 6260 | 2128 | 8486 |
| 65° | 3772 | 1379 | 5830 |
| 70° | 2092 | 748 | 3588 |
| 75° | 953 | 322 | 1859 |
| 80° | 817 | 355 | 1296 |
| 85° | 955 | 460 | 1309 |



TEST NUMBER: P244614

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 59.0 | 5.0 |
| 10°-20° | 171.2 | 14.6 |
| 20°-30° | 259.9 | 22.2 |
| 30°-40° | 273.0 | 23.3 |
| 40°-50° | 204.7 | 17.5 |
| 50°-60° | 131.3 | 11.2 |
| 60°-70° | 56.2 | 4.8 |
| 70°-80° | 13.3 | 1.1 |
| 80°-90° | 2.5 | 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° | 490.1 | 41.9 |
| 0°-40° | 763.1 | 65.2 |
| 0°-60° | 1099.1 | 93.9 |
| 0°-90° | 1171.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1171.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 618 | 618 | 618 | 618 | 618 | |
| 5° | 617 | 618 | 618 | 620 | 619 | 59 |
| 15° | 589 | 601 | 615 | 611 | 604 | 166 |
| 25° | 539 | 558 | 586 | 575 | 565 | 246 |
| 35° | 447 | 422 | 447 | 442 | 452 | 281 |
| 45° | 340 | 278 | 160 | 270 | 344 | 260 |
| 55° | 172 | 172 | 59 | 179 | 209 | 156 |
| 65° | 52 | 61 | 19 | 79 | 80 | 55 |
| 75° | 8 | 9 | 3 | 16 | 16 | 12 |
| 85° | 3 | 2 | 1 | 3 | 4 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P244614

CATALOG NUMBER: LD8B10D010 ER8B10850 8LBDW0H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 |
| 2.5° | 618.2 | 618.8 | 618.5 | 618.5 | 618.2 | 618.5 | 618.5 | 619.2 | 619.2 | 618.5 | 618.2 |
| 5° | 616.8 | 617.5 | 617.5 | 616.8 | 616.8 | 618.5 | 617.5 | 618.2 | 618.2 | 617.8 | 617.8 |
| 7.5° | 613.9 | 613.9 | 615.2 | 614.2 | 614.2 | 615.2 | 614.9 | 615.5 | 616.2 | 616.5 | 616.5 |
| 10° | 607.2 | 607.9 | 608.2 | 608.2 | 608.6 | 609.5 | 610.2 | 611.5 | 612.2 | 612.9 | 613.2 |
| 12.5° | 598.9 | 599.9 | 600.3 | 599.9 | 600.9 | 602.3 | 603.9 | 605.6 | 606.6 | 607.9 | 608.9 |
| 15° | 589.0 | 589.0 | 589.7 | 590.7 | 591.3 | 593.3 | 595.0 | 596.9 | 599.6 | 601.3 | 602.9 |
| 17.5° | 578.0 | 578.7 | 579.7 | 579.7 | 581.0 | 584.3 | 585.3 | 588.3 | 591.3 | 593.0 | 596.3 |
| 20° | 566.1 | 566.8 | 567.8 | 568.4 | 570.1 | 572.7 | 574.7 | 577.4 | 580.7 | 583.7 | 587.0 |
| 22.5° | 556.8 | 555.5 | 556.2 | 556.8 | 558.5 | 560.8 | 563.1 | 566.4 | 569.8 | 572.7 | 576.1 |
| 25° | 538.9 | 539.2 | 540.2 | 540.9 | 542.9 | 544.9 | 547.5 | 551.5 | 554.5 | 557.8 | 561.5 |
| 27.5° | 514.7 | 515.0 | 516.7 | 516.7 | 518.3 | 521.7 | 523.3 | 526.6 | 530.6 | 533.9 | 538.3 |
| 30° | 487.2 | 487.8 | 487.8 | 489.2 | 490.2 | 491.8 | 493.5 | 496.8 | 498.8 | 501.8 | 507.7 |
| 32.5° | 462.0 | 462.6 | 462.3 | 462.0 | 461.0 | 460.6 | 460.3 | 461.0 | 461.6 | 462.6 | 465.0 |
| 35° | 447.1 | 445.4 | 444.1 | 441.7 | 439.1 | 435.8 | 432.8 | 428.8 | 425.2 | 422.2 | 418.9 |
| 37.5° | 432.8 | 432.5 | 430.5 | 427.1 | 421.8 | 415.9 | 408.9 | 400.3 | 391.7 | 382.4 | 373.4 |
| 40° | 412.9 | 411.9 | 410.2 | 405.6 | 399.6 | 392.3 | 383.0 | 372.4 | 358.5 | 344.2 | 329.7 |
| 42.5° | 379.1 | 379.4 | 377.4 | 373.8 | 368.1 | 361.2 | 351.5 | 339.9 | 325.0 | 308.1 | 289.2 |
| 45° | 339.6 | 339.6 | 338.9 | 335.9 | 332.0 | 326.3 | 319.0 | 309.4 | 294.8 | 277.6 | 257.3 |
| 47.5° | 298.5 | 298.8 | 297.8 | 297.2 | 295.5 | 291.8 | 286.5 | 279.2 | 269.0 | 252.4 | 232.1 |
| 50° | 256.7 | 256.7 | 258.3 | 258.0 | 258.0 | 256.7 | 254.4 | 250.1 | 241.1 | 227.8 | 208.9 |
| 52.5° | 214.9 | 215.6 | 216.6 | 217.9 | 219.5 | 222.2 | 219.5 | 217.6 | 211.9 | 201.6 | 185.4 |
| 55° | 171.8 | 172.5 | 174.1 | 176.4 | 178.4 | 181.1 | 181.7 | 181.7 | 178.8 | 171.8 | 159.5 |
| 57.5° | 135.0 | 134.0 | 135.3 | 137.3 | 140.0 | 142.6 | 144.6 | 146.9 | 146.6 | 141.9 | 132.0 |
| 60° | 101.5 | 101.8 | 102.8 | 104.8 | 106.8 | 109.1 | 111.8 | 113.8 | 114.7 | 112.4 | 106.1 |
| 62.5° | 74.0 | 74.0 | 75.3 | 77.3 | 78.3 | 81.6 | 83.2 | 84.2 | 85.2 | 84.9 | 80.9 |
| 65° | 51.7 | 52.4 | 53.1 | 54.1 | 55.1 | 57.0 | 58.0 | 60.0 | 60.7 | 61.0 | 58.0 |
| 67.5° | 36.5 | 35.5 | 36.2 | 36.8 | 37.8 | 39.1 | 41.1 | 41.1 | 42.1 | 42.1 | 40.1 |
| 70° | 23.2 | 23.2 | 23.5 | 24.5 | 25.2 | 25.5 | 26.2 | 26.9 | 27.9 | 27.5 | 27.5 |
| 72.5° | 15.6 | 15.3 | 15.6 | 15.9 | 16.3 | 17.2 | 17.2 | 17.6 | 18.2 | 18.6 | 17.2 |
| 75° | 8.0 | 8.3 | 9.0 | 8.6 | 9.6 | 9.0 | 9.3 | 10.3 | 9.9 | 9.3 | 9.3 |
| 77.5° | 6.6 | 6.6 | 6.6 | 6.3 | 7.0 | 7.0 | 6.6 | 7.3 | 7.0 | 7.0 | 6.6 |
| 80° | 4.6 | 5.0 | 4.6 | 4.3 | 4.6 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.0 |
| 82.5° | 3.7 | 3.0 | 3.3 | 3.0 | 3.3 | 3.3 | 3.0 | 2.7 | 2.7 | 3.0 | 2.7 |
| 85° | 2.7 | 2.0 | 2.3 | 2.3 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.7 | 1.7 |
| 87.5° | 1.7 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 | 1.0 | 1.3 | 1.3 | 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: P244614

CATALOG NUMBER: LD8B10D010 ER8B10850 8LBDW0H

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 |
| 2.5° | 618.8 | 618.5 | 619.2 | 618.8 | 618.8 | 618.5 | 618.8 | 618.5 | 619.2 | 617.8 | 618.2 |
| 5° | 618.8 | 618.2 | 618.5 | 618.8 | 619.2 | 618.5 | 618.5 | 618.5 | 619.2 | 618.5 | 618.8 |
| 7.5° | 617.5 | 617.2 | 618.2 | 618.8 | 618.5 | 618.2 | 618.8 | 618.5 | 619.2 | 618.8 | 619.5 |
| 10° | 614.9 | 615.2 | 615.9 | 616.8 | 617.2 | 617.5 | 618.2 | 618.2 | 619.2 | 617.8 | 618.5 |
| 12.5° | 610.9 | 612.2 | 613.9 | 614.5 | 615.9 | 615.9 | 616.5 | 616.8 | 617.5 | 617.2 | 618.2 |
| 15° | 605.9 | 607.6 | 609.5 | 611.2 | 612.9 | 613.9 | 614.9 | 615.2 | 616.2 | 615.2 | 615.5 |
| 17.5° | 599.9 | 601.9 | 604.9 | 606.9 | 609.5 | 610.5 | 611.9 | 612.5 | 613.5 | 612.9 | 613.2 |
| 20° | 591.6 | 594.0 | 597.3 | 600.3 | 601.9 | 604.2 | 605.9 | 606.9 | 607.6 | 606.9 | 607.2 |
| 22.5° | 580.0 | 583.4 | 587.7 | 590.0 | 593.3 | 595.3 | 595.6 | 597.9 | 599.6 | 597.9 | 598.6 |
| 25° | 566.4 | 569.8 | 573.1 | 578.0 | 581.0 | 583.4 | 585.7 | 586.0 | 587.7 | 587.3 | 587.0 |
| 27.5° | 543.9 | 548.2 | 553.8 | 557.8 | 561.8 | 565.4 | 568.1 | 568.8 | 570.4 | 569.8 | 570.1 |
| 30° | 513.0 | 517.7 | 523.0 | 529.3 | 534.9 | 538.6 | 541.9 | 544.2 | 545.9 | 544.9 | 544.6 |
| 32.5° | 469.3 | 473.9 | 479.6 | 485.8 | 492.5 | 497.8 | 501.8 | 504.8 | 506.7 | 506.1 | 504.4 |
| 35° | 419.2 | 420.5 | 424.2 | 429.1 | 434.8 | 440.4 | 444.1 | 447.4 | 449.7 | 450.4 | 450.4 |
| 37.5° | 367.8 | 363.5 | 360.8 | 360.8 | 364.1 | 366.5 | 369.8 | 371.8 | 375.4 | 376.7 | 377.7 |
| 40° | 318.0 | 308.1 | 298.8 | 291.8 | 287.2 | 286.9 | 286.9 | 287.9 | 291.2 | 295.5 | 299.5 |
| 42.5° | 273.6 | 257.7 | 243.4 | 230.5 | 221.2 | 215.9 | 213.6 | 213.9 | 216.6 | 220.5 | 227.2 |
| 45° | 238.1 | 218.2 | 200.3 | 184.7 | 172.1 | 163.8 | 159.9 | 159.5 | 161.5 | 166.1 | 173.5 |
| 47.5° | 210.6 | 189.4 | 169.1 | 151.2 | 137.6 | 128.7 | 124.0 | 122.7 | 124.0 | 128.3 | 137.0 |
| 50° | 187.7 | 165.8 | 144.9 | 126.4 | 111.8 | 102.5 | 98.2 | 96.5 | 98.2 | 101.8 | 110.4 |
| 52.5° | 166.5 | 143.9 | 124.4 | 106.5 | 90.9 | 82.9 | 78.3 | 77.3 | 78.3 | 82.6 | 89.5 |
| 55° | 141.9 | 122.7 | 103.5 | 85.6 | 72.0 | 64.0 | 60.4 | 59.4 | 60.4 | 64.3 | 71.6 |
| 57.5° | 117.7 | 101.1 | 84.2 | 68.0 | 56.4 | 49.4 | 46.1 | 44.8 | 47.1 | 49.7 | 58.4 |
| 60° | 95.2 | 81.9 | 67.7 | 53.4 | 43.8 | 37.5 | 34.8 | 34.5 | 35.2 | 38.5 | 44.4 |
| 62.5° | 74.6 | 63.7 | 52.4 | 40.8 | 32.8 | 30.2 | 26.9 | 26.5 | 27.2 | 29.2 | 33.8 |
| 65° | 53.7 | 46.8 | 38.1 | 29.8 | 23.5 | 19.9 | 18.6 | 18.9 | 19.6 | 20.9 | 25.2 |
| 67.5° | 37.5 | 32.5 | 26.5 | 20.9 | 16.3 | 14.6 | 13.3 | 12.9 | 13.3 | 15.6 | 17.9 |
| 70° | 25.2 | 22.2 | 17.9 | 15.9 | 11.3 | 9.0 | 9.3 | 8.3 | 9.6 | 9.6 | 11.6 |
| 72.5° | 16.6 | 14.6 | 11.9 | 9.3 | 8.0 | 6.3 | 6.3 | 6.0 | 6.6 | 7.0 | 8.6 |
| 75° | 8.6 | 6.6 | 6.6 | 4.6 | 3.3 | 1.7 | 3.0 | 2.7 | 2.3 | 2.7 | 3.3 |
| 77.5° | 6.0 | 5.0 | 4.6 | 3.7 | 3.3 | 2.7 | 2.7 | 2.7 | 2.7 | 3.0 | 3.3 |
| 80° | 3.7 | 3.7 | 2.7 | 2.3 | 2.0 | 1.7 | 2.0 | 2.0 | 2.0 | 2.0 | 2.3 |
| 82.5° | 2.3 | 2.0 | 2.0 | 1.7 | 1.7 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 2.0 |
| 85° | 2.0 | 1.3 | 1.3 | 1.0 | 1.3 | 2.3 | 1.0 | 1.3 | 1.3 | 1.3 | 1.0 |
| 87.5° | 0.7 | 1.0 | 1.0 | 1.0 | 0.7 | 0.3 | 0.7 | 1.0 | 1.0 | 1.7 | 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° | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 | 617.8 |
| 2.5° | 618.8 | 619.2 | 619.2 | 618.8 | 618.8 | 618.2 | 619.5 | 618.5 | 618.8 | 620.2 | 619.2 |
| 5° | 619.5 | 619.8 | 619.8 | 619.5 | 619.5 | 619.5 | 619.8 | 619.8 | 619.5 | 619.2 | 619.8 |
| 7.5° | 620.8 | 620.5 | 620.5 | 619.8 | 619.8 | 619.2 | 619.8 | 618.8 | 619.5 | 618.8 | 619.8 |
| 10° | 619.2 | 619.5 | 619.2 | 618.8 | 618.8 | 618.5 | 618.5 | 617.5 | 617.8 | 616.8 | 617.5 |
| 12.5° | 618.2 | 617.8 | 617.8 | 617.2 | 616.5 | 615.9 | 615.5 | 614.5 | 614.5 | 612.2 | 613.2 |
| 15° | 615.5 | 615.9 | 614.9 | 613.5 | 612.9 | 611.2 | 610.5 | 609.2 | 607.9 | 606.2 | 606.6 |
| 17.5° | 613.2 | 612.2 | 610.9 | 609.5 | 606.9 | 605.6 | 604.2 | 602.3 | 601.6 | 599.6 | 598.9 |
| 20° | 606.2 | 605.6 | 603.9 | 601.6 | 599.9 | 596.9 | 595.6 | 593.6 | 592.0 | 590.0 | 589.0 |
| 22.5° | 597.3 | 596.6 | 594.6 | 592.3 | 589.7 | 588.3 | 587.0 | 583.4 | 581.7 | 579.7 | 579.4 |
| 25° | 586.0 | 585.0 | 583.0 | 580.4 | 579.0 | 575.4 | 574.1 | 571.4 | 570.8 | 568.8 | 568.4 |
| 27.5° | 568.8 | 567.4 | 565.1 | 561.8 | 559.5 | 557.2 | 555.8 | 553.8 | 553.2 | 551.2 | 550.9 |
| 30° | 542.9 | 541.2 | 536.6 | 535.3 | 531.3 | 529.0 | 529.0 | 526.3 | 526.6 | 525.3 | 525.3 |
| 32.5° | 502.1 | 499.4 | 495.8 | 493.1 | 490.5 | 489.2 | 489.2 | 488.2 | 488.8 | 488.8 | 489.5 |
| 35° | 448.0 | 444.4 | 442.4 | 440.7 | 440.7 | 442.1 | 446.1 | 447.1 | 449.0 | 450.7 | 452.0 |
| 37.5° | 378.7 | 378.4 | 380.7 | 382.7 | 387.7 | 393.3 | 400.3 | 406.3 | 411.9 | 415.9 | 419.9 |
| 40° | 303.8 | 312.1 | 318.7 | 328.0 | 335.6 | 346.6 | 359.2 | 369.4 | 379.1 | 386.0 | 393.3 |
| 42.5° | 237.1 | 247.7 | 261.7 | 275.3 | 288.9 | 303.8 | 320.4 | 334.6 | 347.2 | 356.8 | 364.5 |
| 45° | 184.7 | 199.3 | 216.2 | 233.5 | 251.1 | 269.6 | 286.9 | 301.5 | 314.7 | 324.7 | 332.3 |
| 47.5° | 148.9 | 164.8 | 184.1 | 203.0 | 222.9 | 242.4 | 261.7 | 274.3 | 285.2 | 293.2 | 300.1 |
| 50° | 123.0 | 140.0 | 160.2 | 181.7 | 201.6 | 221.2 | 237.8 | 250.1 | 259.0 | 266.0 | 270.3 |
| 52.5° | 102.8 | 120.7 | 142.3 | 163.8 | 183.7 | 201.6 | 216.6 | 225.8 | 233.1 | 238.1 | 242.1 |
| 55° | 84.9 | 102.1 | 122.4 | 142.6 | 162.2 | 179.1 | 191.4 | 198.3 | 204.0 | 206.9 | 209.3 |
| 57.5° | 69.3 | 85.2 | 103.8 | 122.4 | 139.3 | 153.2 | 162.8 | 169.8 | 172.5 | 174.8 | 174.4 |
| 60° | 54.4 | 69.3 | 86.2 | 102.1 | 116.7 | 128.0 | 135.0 | 139.0 | 140.9 | 141.9 | 141.3 |
| 62.5° | 42.8 | 56.4 | 69.3 | 83.2 | 93.9 | 103.5 | 110.1 | 110.1 | 111.1 | 111.4 | 112.4 |
| 65° | 31.8 | 42.1 | 53.4 | 63.7 | 72.3 | 78.6 | 82.3 | 83.2 | 84.6 | 84.2 | 83.6 |
| 67.5° | 23.5 | 31.2 | 39.5 | 47.1 | 53.1 | 57.0 | 59.7 | 62.0 | 61.7 | 61.0 | 60.7 |
| 70° | 16.3 | 21.2 | 28.5 | 33.2 | 37.5 | 41.5 | 42.1 | 42.4 | 42.8 | 43.1 | 42.4 |
| 72.5° | 11.3 | 14.9 | 18.9 | 22.9 | 25.5 | 27.2 | 28.9 | 29.2 | 29.2 | 29.2 | 28.9 |
| 75° | 5.6 | 7.6 | 11.3 | 12.9 | 15.3 | 15.9 | 17.2 | 17.2 | 18.2 | 16.9 | 16.6 |
| 77.5° | 5.0 | 6.0 | 8.0 | 9.3 | 10.3 | 11.3 | 11.6 | 12.6 | 12.3 | 11.6 | 11.9 |
| 80° | 3.0 | 3.7 | 5.0 | 5.6 | 7.0 | 7.3 | 7.6 | 8.0 | 7.6 | 8.0 | 8.0 |
| 82.5° | 2.3 | 2.7 | 3.3 | 3.3 | 4.3 | 4.3 | 4.6 | 4.6 | 5.0 | 5.0 | 5.0 |
| 85° | 1.3 | 2.3 | 2.0 | 4.0 | 2.7 | 2.7 | 3.3 | 4.0 | 3.3 | 3.3 | 4.0 |
| 87.5° | 1.3 | 1.3 | 1.0 | 1.3 | 1.3 | 1.3 | 1.7 | 2.0 | 2.0 | 2.3 | 2.0 |
| 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: P244614

CATALOG NUMBER: LD8B10D010 ER8B10850 8LBDW0H

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 617.8 | 617.8 | 617.8 | 617.8 |
| 2.5° | 618.8 | 619.5 | 618.5 | 618.2 |
| 5° | 619.8 | 619.8 | 619.2 | 619.2 |
| 7.5° | 619.8 | 619.8 | 618.8 | 618.2 |
| 10° | 617.2 | 617.2 | 616.2 | 615.5 |
| 12.5° | 612.2 | 612.2 | 611.9 | 610.9 |
| 15° | 605.9 | 605.9 | 604.6 | 603.6 |
| 17.5° | 597.3 | 597.9 | 596.3 | 596.3 |
| 20° | 588.0 | 587.7 | 586.3 | 585.7 |
| 22.5° | 578.4 | 577.7 | 577.4 | 575.4 |
| 25° | 568.1 | 567.4 | 566.4 | 565.4 |
| 27.5° | 550.5 | 550.2 | 549.2 | 547.9 |
| 30° | 523.7 | 523.3 | 522.0 | 522.0 |
| 32.5° | 488.8 | 488.5 | 487.2 | 487.5 |
| 35° | 452.7 | 454.0 | 453.4 | 452.0 |
| 37.5° | 422.5 | 423.5 | 424.2 | 423.5 |
| 40° | 397.3 | 400.3 | 400.6 | 401.3 |
| 42.5° | 370.4 | 374.4 | 375.7 | 376.4 |
| 45° | 338.3 | 341.9 | 344.9 | 344.2 |
| 47.5° | 305.4 | 308.1 | 310.7 | 308.8 |
| 50° | 273.9 | 275.6 | 276.6 | 276.6 |
| 52.5° | 244.1 | 244.1 | 243.8 | 244.1 |
| 55° | 209.9 | 209.9 | 208.6 | 209.3 |
| 57.5° | 174.1 | 174.8 | 173.8 | 172.1 |
| 60° | 140.9 | 139.3 | 138.6 | 137.6 |
| 62.5° | 109.8 | 109.8 | 107.5 | 110.4 |
| 65° | 82.3 | 81.3 | 80.3 | 79.9 |
| 67.5° | 59.7 | 59.4 | 58.4 | 58.0 |
| 70° | 42.1 | 40.8 | 40.5 | 39.8 |
| 72.5° | 28.2 | 28.2 | 27.5 | 27.5 |
| 75° | 17.2 | 15.6 | 15.3 | 15.6 |
| 77.5° | 11.9 | 11.6 | 11.6 | 11.3 |
| 80° | 8.0 | 7.6 | 8.3 | 7.3 |
| 82.5° | 5.0 | 5.3 | 5.0 | 5.3 |
| 85° | 3.3 | 4.0 | 3.7 | 3.7 |
| 87.5° | 2.0 | 2.0 | 2.0 | 2.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)