

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: P244650

Luminaire Tested: **LSR8B10D010 EC8B10927 8LBDW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244650
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 EC8B10927 8LBDW0H
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 905.6 lumens
Efficiency: N/A
Efficacy: 88.8 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

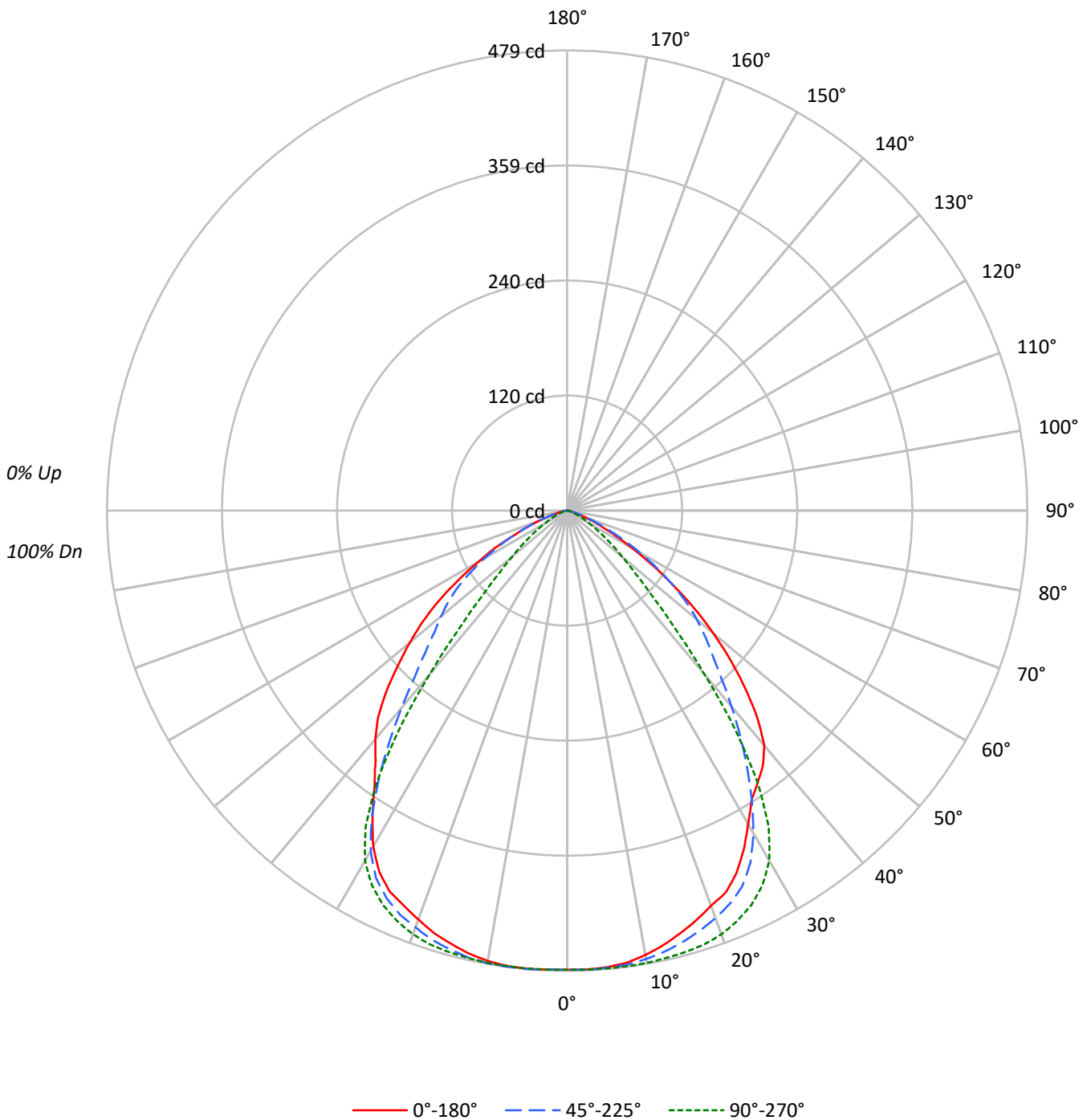
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244650

CATALOG NUMBER: LSR8B10D010 EC8B10927 8LBDW0H

Luminous Intensity Polar Plot





TEST NUMBER: P244650

CATALOG NUMBER: LSR8B10D010 EC8B10927 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° | 14734 | 14734 | 14734 |
| 5° | 14765 | 14808 | 14821 |
| 10° | 14704 | 14970 | 14905 |
| 15° | 14541 | 15189 | 14902 |
| 20° | 14367 | 15404 | 14862 |
| 25° | 14181 | 15420 | 14879 |
| 30° | 13417 | 14987 | 14374 |
| 35° | 13014 | 13021 | 13157 |
| 40° | 12853 | 8961 | 12495 |
| 45° | 11456 | 5381 | 11609 |
| 50° | 9527 | 3579 | 10261 |
| 55° | 7145 | 2468 | 8704 |
| 60° | 4841 | 1647 | 6562 |
| 65° | 2926 | 1065 | 4509 |
| 70° | 1623 | 577 | 2777 |
| 75° | 739 | 238 | 1430 |
| 80° | 639 | 284 | 994 |
| 85° | 708 | 354 | 991 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 45.6 | 5.0 |
| 10°-20° | 132.4 | 14.6 |
| 20°-30° | 201.0 | 22.2 |
| 30°-40° | 211.1 | 23.3 |
| 40°-50° | 158.3 | 17.5 |
| 50°-60° | 101.6 | 11.2 |
| 60°-70° | 43.4 | 4.8 |
| 70°-80° | 10.3 | 1.1 |
| 80°-90° | 1.9 | 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° | 379.0 | 41.9 |
| 0°-40° | 590.2 | 65.2 |
| 0°-60° | 850.0 | 93.9 |
| 0°-90° | 905.6 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 905.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 478 | 478 | 478 | 478 | 478 | |
| 5° | 477 | 478 | 478 | 479 | 479 | 45 |
| 15° | 456 | 465 | 476 | 473 | 467 | 128 |
| 25° | 417 | 431 | 453 | 445 | 437 | 190 |
| 35° | 346 | 326 | 346 | 342 | 350 | 217 |
| 45° | 263 | 215 | 123 | 209 | 266 | 201 |
| 55° | 133 | 133 | 46 | 138 | 162 | 121 |
| 65° | 40 | 47 | 15 | 61 | 62 | 43 |
| 75° | 6 | 7 | 2 | 12 | 12 | 9 |
| 85° | 2 | 1 | 1 | 2 | 3 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P244650

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 |
| 2.5° | 478.1 | 478.6 | 478.4 | 478.4 | 478.1 | 478.4 | 478.4 | 478.8 | 478.8 | 478.4 | 478.1 |
| 5° | 477.0 | 477.6 | 477.6 | 477.0 | 477.0 | 478.4 | 477.6 | 478.1 | 478.1 | 477.8 | 477.8 |
| 7.5° | 474.8 | 474.8 | 475.8 | 475.0 | 475.0 | 475.8 | 475.5 | 476.0 | 476.6 | 476.8 | 476.8 |
| 10° | 469.6 | 470.1 | 470.4 | 470.4 | 470.7 | 471.4 | 471.9 | 473.0 | 473.5 | 474.0 | 474.2 |
| 12.5° | 463.2 | 464.0 | 464.3 | 464.0 | 464.7 | 465.8 | 467.1 | 468.3 | 469.1 | 470.1 | 470.9 |
| 15° | 455.5 | 455.5 | 456.1 | 456.8 | 457.3 | 458.9 | 460.1 | 461.7 | 463.7 | 465.0 | 466.3 |
| 17.5° | 447.1 | 447.5 | 448.3 | 448.3 | 449.3 | 451.9 | 452.7 | 455.0 | 457.3 | 458.6 | 461.1 |
| 20° | 437.8 | 438.3 | 439.1 | 439.6 | 440.9 | 442.9 | 444.5 | 446.5 | 449.1 | 451.5 | 453.9 |
| 22.5° | 430.6 | 429.6 | 430.1 | 430.6 | 431.9 | 433.7 | 435.5 | 438.1 | 440.7 | 442.9 | 445.5 |
| 25° | 416.8 | 417.0 | 417.8 | 418.3 | 419.8 | 421.4 | 423.4 | 426.5 | 428.8 | 431.4 | 434.2 |
| 27.5° | 398.0 | 398.4 | 399.6 | 399.6 | 400.8 | 403.4 | 404.8 | 407.2 | 410.4 | 413.0 | 416.2 |
| 30° | 376.8 | 377.3 | 377.3 | 378.3 | 379.1 | 380.4 | 381.6 | 384.2 | 385.8 | 388.0 | 392.6 |
| 32.5° | 357.3 | 357.8 | 357.5 | 357.3 | 356.5 | 356.3 | 356.0 | 356.5 | 357.1 | 357.8 | 359.6 |
| 35° | 345.7 | 344.5 | 343.5 | 341.7 | 339.6 | 337.0 | 334.7 | 331.7 | 328.8 | 326.5 | 323.9 |
| 37.5° | 334.7 | 334.5 | 332.9 | 330.3 | 326.2 | 321.6 | 316.2 | 309.6 | 302.8 | 295.8 | 288.8 |
| 40° | 319.3 | 318.6 | 317.2 | 313.7 | 309.0 | 303.4 | 296.2 | 288.0 | 277.2 | 266.2 | 254.9 |
| 42.5° | 293.2 | 293.4 | 291.8 | 289.0 | 284.7 | 279.3 | 271.9 | 262.9 | 251.3 | 238.3 | 223.6 |
| 45° | 262.7 | 262.7 | 262.1 | 259.8 | 256.7 | 252.3 | 246.7 | 239.3 | 228.0 | 214.6 | 199.0 |
| 47.5° | 230.8 | 231.1 | 230.3 | 229.8 | 228.5 | 225.7 | 221.6 | 216.0 | 208.0 | 195.2 | 179.5 |
| 50° | 198.6 | 198.6 | 199.8 | 199.6 | 199.6 | 198.6 | 196.8 | 193.4 | 186.4 | 176.2 | 161.5 |
| 52.5° | 166.2 | 166.7 | 167.5 | 168.5 | 169.8 | 171.8 | 169.8 | 168.3 | 163.9 | 155.9 | 143.3 |
| 55° | 132.9 | 133.4 | 134.7 | 136.5 | 138.0 | 140.1 | 140.5 | 140.5 | 138.3 | 132.9 | 123.4 |
| 57.5° | 104.4 | 103.6 | 104.6 | 106.2 | 108.2 | 110.2 | 111.8 | 113.6 | 113.4 | 109.8 | 102.0 |
| 60° | 78.5 | 78.8 | 79.5 | 81.0 | 82.6 | 84.4 | 86.4 | 88.0 | 88.8 | 87.0 | 82.1 |
| 62.5° | 57.2 | 57.2 | 58.3 | 59.7 | 60.5 | 63.1 | 64.4 | 65.1 | 65.9 | 65.7 | 62.6 |
| 65° | 40.1 | 40.5 | 41.1 | 41.8 | 42.5 | 44.1 | 44.9 | 46.5 | 46.9 | 47.1 | 44.9 |
| 67.5° | 28.2 | 27.4 | 28.0 | 28.5 | 29.2 | 30.3 | 31.8 | 31.8 | 32.6 | 32.6 | 31.0 |
| 70° | 18.0 | 18.0 | 18.2 | 19.0 | 19.5 | 19.8 | 20.2 | 20.8 | 21.6 | 21.3 | 21.3 |
| 72.5° | 12.0 | 11.8 | 12.0 | 12.3 | 12.6 | 13.4 | 13.4 | 13.6 | 14.1 | 14.4 | 13.4 |
| 75° | 6.2 | 6.4 | 7.0 | 6.6 | 7.4 | 7.0 | 7.2 | 8.0 | 7.6 | 7.2 | 7.2 |
| 77.5° | 5.2 | 5.2 | 5.2 | 4.8 | 5.4 | 5.4 | 5.2 | 5.6 | 5.4 | 5.4 | 5.2 |
| 80° | 3.6 | 3.8 | 3.6 | 3.4 | 3.6 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.0 |
| 82.5° | 2.8 | 2.4 | 2.6 | 2.4 | 2.6 | 2.6 | 2.4 | 2.0 | 2.0 | 2.4 | 2.0 |
| 85° | 2.0 | 1.6 | 1.8 | 1.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.2 | 1.2 |
| 87.5° | 1.2 | 0.8 | 0.8 | 0.8 | 1.0 | 1.0 | 1.0 | 0.8 | 1.0 | 1.0 | 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: P244650

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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 |
| 2.5° | 478.6 | 478.4 | 478.8 | 478.6 | 478.6 | 478.4 | 478.6 | 478.4 | 478.8 | 477.8 | 478.1 |
| 5° | 478.6 | 478.1 | 478.4 | 478.6 | 478.8 | 478.4 | 478.4 | 478.4 | 478.8 | 478.4 | 478.6 |
| 7.5° | 477.6 | 477.3 | 478.1 | 478.6 | 478.4 | 478.1 | 478.6 | 478.4 | 478.8 | 478.6 | 479.1 |
| 10° | 475.5 | 475.8 | 476.3 | 477.0 | 477.3 | 477.6 | 478.1 | 478.1 | 478.8 | 477.8 | 478.4 |
| 12.5° | 472.4 | 473.5 | 474.8 | 475.3 | 476.3 | 476.3 | 476.8 | 477.0 | 477.6 | 477.3 | 478.1 |
| 15° | 468.6 | 469.9 | 471.4 | 472.7 | 474.0 | 474.8 | 475.5 | 475.8 | 476.6 | 475.8 | 476.0 |
| 17.5° | 464.0 | 465.5 | 467.8 | 469.4 | 471.4 | 472.2 | 473.2 | 473.7 | 474.5 | 474.0 | 474.2 |
| 20° | 457.5 | 459.3 | 461.9 | 464.3 | 465.5 | 467.3 | 468.6 | 469.4 | 469.9 | 469.4 | 469.6 |
| 22.5° | 448.5 | 451.1 | 454.5 | 456.3 | 458.9 | 460.4 | 460.7 | 462.5 | 463.7 | 462.5 | 462.9 |
| 25° | 438.1 | 440.7 | 443.2 | 447.1 | 449.3 | 451.1 | 452.9 | 453.2 | 454.5 | 454.3 | 453.9 |
| 27.5° | 420.6 | 424.0 | 428.3 | 431.4 | 434.5 | 437.3 | 439.3 | 439.9 | 441.1 | 440.7 | 440.9 |
| 30° | 396.8 | 400.4 | 404.4 | 409.4 | 413.7 | 416.5 | 419.1 | 420.9 | 422.2 | 421.4 | 421.1 |
| 32.5° | 362.9 | 366.5 | 370.9 | 375.8 | 380.9 | 385.0 | 388.0 | 390.4 | 392.0 | 391.4 | 390.2 |
| 35° | 324.2 | 325.2 | 328.0 | 331.9 | 336.3 | 340.7 | 343.5 | 345.9 | 347.7 | 348.3 | 348.3 |
| 37.5° | 284.4 | 281.1 | 279.0 | 279.0 | 281.6 | 283.4 | 286.0 | 287.6 | 290.4 | 291.4 | 292.2 |
| 40° | 245.9 | 238.3 | 231.1 | 225.7 | 222.1 | 221.8 | 221.8 | 222.6 | 225.2 | 228.5 | 231.6 |
| 42.5° | 211.6 | 199.2 | 188.2 | 178.2 | 171.1 | 167.0 | 165.2 | 165.5 | 167.5 | 170.5 | 175.7 |
| 45° | 184.2 | 168.8 | 154.9 | 142.9 | 133.1 | 126.7 | 123.6 | 123.4 | 124.9 | 128.5 | 134.1 |
| 47.5° | 162.9 | 146.5 | 130.8 | 117.0 | 106.4 | 99.6 | 96.0 | 95.0 | 96.0 | 99.2 | 106.0 |
| 50° | 145.1 | 128.2 | 112.0 | 97.8 | 86.4 | 79.2 | 75.9 | 74.6 | 75.9 | 78.8 | 85.4 |
| 52.5° | 128.7 | 111.3 | 96.2 | 82.4 | 70.3 | 64.1 | 60.5 | 59.7 | 60.5 | 63.9 | 69.3 |
| 55° | 109.8 | 95.0 | 80.0 | 66.1 | 55.7 | 49.5 | 46.7 | 45.9 | 46.7 | 49.7 | 55.4 |
| 57.5° | 91.0 | 78.2 | 65.1 | 52.5 | 43.6 | 38.2 | 35.7 | 34.6 | 36.4 | 38.5 | 45.1 |
| 60° | 73.6 | 63.3 | 52.3 | 41.3 | 33.9 | 29.0 | 26.9 | 26.7 | 27.2 | 29.7 | 34.3 |
| 62.5° | 57.7 | 49.3 | 40.5 | 31.5 | 25.4 | 23.3 | 20.8 | 20.5 | 21.0 | 22.6 | 26.2 |
| 65° | 41.5 | 36.1 | 29.5 | 23.1 | 18.2 | 15.4 | 14.4 | 14.6 | 15.1 | 16.2 | 19.5 |
| 67.5° | 29.0 | 25.1 | 20.5 | 16.2 | 12.6 | 11.2 | 10.2 | 10.0 | 10.2 | 12.0 | 13.8 |
| 70° | 19.5 | 17.2 | 13.8 | 12.3 | 8.8 | 7.0 | 7.2 | 6.4 | 7.4 | 7.4 | 9.0 |
| 72.5° | 12.8 | 11.2 | 9.2 | 7.2 | 6.2 | 4.8 | 4.8 | 4.6 | 5.2 | 5.4 | 6.6 |
| 75° | 6.6 | 5.2 | 5.2 | 3.6 | 2.6 | 1.2 | 2.4 | 2.0 | 1.8 | 2.0 | 2.6 |
| 77.5° | 4.6 | 3.8 | 3.6 | 2.8 | 2.6 | 2.0 | 2.0 | 2.0 | 2.0 | 2.4 | 2.6 |
| 80° | 2.8 | 2.8 | 2.0 | 1.8 | 1.6 | 1.2 | 1.6 | 1.6 | 1.6 | 1.6 | 1.8 |
| 82.5° | 1.8 | 1.6 | 1.6 | 1.2 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.6 |
| 85° | 1.6 | 1.0 | 1.0 | 0.8 | 1.0 | 1.8 | 0.8 | 1.0 | 1.0 | 1.0 | 0.8 |
| 87.5° | 0.6 | 0.8 | 0.8 | 0.8 | 0.6 | 0.2 | 0.6 | 0.8 | 0.8 | 1.2 | 1.0 |
| 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° | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 | 477.8 |
| 2.5° | 478.6 | 478.8 | 478.8 | 478.6 | 478.6 | 478.1 | 479.1 | 478.4 | 478.6 | 479.6 | 478.8 |
| 5° | 479.1 | 479.4 | 479.4 | 479.1 | 479.1 | 479.1 | 479.4 | 479.4 | 479.1 | 478.8 | 479.4 |
| 7.5° | 480.2 | 479.9 | 479.9 | 479.4 | 479.4 | 478.8 | 479.4 | 478.6 | 479.1 | 478.6 | 479.4 |
| 10° | 478.8 | 479.1 | 478.8 | 478.6 | 478.6 | 478.4 | 478.4 | 477.6 | 477.8 | 477.0 | 477.6 |
| 12.5° | 478.1 | 477.8 | 477.8 | 477.3 | 476.8 | 476.3 | 476.0 | 475.3 | 475.3 | 473.5 | 474.2 |
| 15° | 476.0 | 476.3 | 475.5 | 474.5 | 474.0 | 472.7 | 472.2 | 471.2 | 470.1 | 468.9 | 469.1 |
| 17.5° | 474.2 | 473.5 | 472.4 | 471.4 | 469.4 | 468.3 | 467.3 | 465.8 | 465.3 | 463.7 | 463.2 |
| 20° | 468.9 | 468.3 | 467.1 | 465.3 | 464.0 | 461.7 | 460.7 | 459.1 | 457.8 | 456.3 | 455.5 |
| 22.5° | 461.9 | 461.4 | 459.9 | 458.1 | 456.1 | 455.0 | 453.9 | 451.1 | 449.9 | 448.3 | 448.1 |
| 25° | 453.2 | 452.5 | 450.9 | 448.9 | 447.9 | 445.0 | 443.9 | 441.9 | 441.4 | 439.9 | 439.6 |
| 27.5° | 439.9 | 438.9 | 437.1 | 434.5 | 432.7 | 430.9 | 429.9 | 428.3 | 427.8 | 426.3 | 426.0 |
| 30° | 419.8 | 418.6 | 415.0 | 414.0 | 410.8 | 409.0 | 409.0 | 407.0 | 407.2 | 406.2 | 406.2 |
| 32.5° | 388.3 | 386.2 | 383.4 | 381.4 | 379.3 | 378.3 | 378.3 | 377.6 | 378.0 | 378.0 | 378.6 |
| 35° | 346.5 | 343.7 | 342.1 | 340.9 | 340.9 | 341.9 | 344.9 | 345.7 | 347.3 | 348.5 | 349.5 |
| 37.5° | 293.0 | 292.6 | 294.4 | 296.0 | 299.8 | 304.2 | 309.6 | 314.2 | 318.6 | 321.6 | 324.7 |
| 40° | 234.9 | 241.3 | 246.5 | 253.7 | 259.5 | 268.0 | 277.8 | 285.8 | 293.2 | 298.6 | 304.2 |
| 42.5° | 183.4 | 191.6 | 202.4 | 212.8 | 223.4 | 234.9 | 247.7 | 258.8 | 268.5 | 276.0 | 281.9 |
| 45° | 142.9 | 154.1 | 167.2 | 180.6 | 194.2 | 208.6 | 221.8 | 233.1 | 243.4 | 251.1 | 257.0 |
| 47.5° | 115.2 | 127.5 | 142.3 | 156.9 | 172.4 | 187.5 | 202.4 | 212.1 | 220.6 | 226.7 | 232.1 |
| 50° | 95.2 | 108.2 | 123.9 | 140.5 | 155.9 | 171.1 | 183.9 | 193.4 | 200.4 | 205.6 | 209.0 |
| 52.5° | 79.5 | 93.4 | 110.0 | 126.7 | 142.1 | 155.9 | 167.5 | 174.7 | 180.3 | 184.2 | 187.2 |
| 55° | 65.7 | 79.0 | 94.6 | 110.2 | 125.4 | 138.5 | 147.9 | 153.3 | 157.7 | 160.1 | 161.9 |
| 57.5° | 53.7 | 65.9 | 80.3 | 94.6 | 107.8 | 118.5 | 125.9 | 131.3 | 133.4 | 135.1 | 134.9 |
| 60° | 42.1 | 53.7 | 66.7 | 79.0 | 90.3 | 99.0 | 104.4 | 107.4 | 109.0 | 109.8 | 109.2 |
| 62.5° | 33.1 | 43.6 | 53.7 | 64.4 | 72.6 | 80.0 | 85.2 | 85.2 | 86.0 | 86.2 | 87.0 |
| 65° | 24.6 | 32.6 | 41.3 | 49.3 | 55.9 | 60.8 | 63.6 | 64.4 | 65.4 | 65.1 | 64.7 |
| 67.5° | 18.2 | 24.1 | 30.5 | 36.4 | 41.1 | 44.1 | 46.1 | 47.9 | 47.7 | 47.1 | 46.9 |
| 70° | 12.6 | 16.4 | 22.0 | 25.6 | 29.0 | 32.1 | 32.6 | 32.8 | 33.1 | 33.3 | 32.8 |
| 72.5° | 8.8 | 11.6 | 14.6 | 17.7 | 19.8 | 21.0 | 22.3 | 22.6 | 22.6 | 22.6 | 22.3 |
| 75° | 4.4 | 5.9 | 8.8 | 10.0 | 11.8 | 12.3 | 13.4 | 13.4 | 14.1 | 13.0 | 12.8 |
| 77.5° | 3.8 | 4.6 | 6.2 | 7.2 | 8.0 | 8.8 | 9.0 | 9.8 | 9.5 | 9.0 | 9.2 |
| 80° | 2.4 | 2.8 | 3.8 | 4.4 | 5.4 | 5.6 | 5.9 | 6.2 | 5.9 | 6.2 | 6.2 |
| 82.5° | 1.8 | 2.0 | 2.6 | 2.6 | 3.4 | 3.4 | 3.6 | 3.6 | 3.8 | 3.8 | 3.8 |
| 85° | 1.0 | 1.8 | 1.6 | 3.0 | 2.0 | 2.0 | 2.6 | 3.0 | 2.6 | 2.6 | 3.0 |
| 87.5° | 1.0 | 1.0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.2 | 1.6 | 1.6 | 1.8 | 1.6 |
| 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: P244650

CATALOG NUMBER: LSR8B10D010 EC8B10927 8LBDW0H

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 477.8 | 477.8 | 477.8 | 477.8 |
| 2.5° | 478.6 | 479.1 | 478.4 | 478.1 |
| 5° | 479.4 | 479.4 | 478.8 | 478.8 |
| 7.5° | 479.4 | 479.4 | 478.6 | 478.1 |
| 10° | 477.3 | 477.3 | 476.6 | 476.0 |
| 12.5° | 473.5 | 473.5 | 473.2 | 472.4 |
| 15° | 468.6 | 468.6 | 467.6 | 466.8 |
| 17.5° | 461.9 | 462.5 | 461.1 | 461.1 |
| 20° | 454.7 | 454.5 | 453.5 | 452.9 |
| 22.5° | 447.3 | 446.7 | 446.5 | 445.0 |
| 25° | 439.3 | 438.9 | 438.1 | 437.3 |
| 27.5° | 425.8 | 425.5 | 424.7 | 423.7 |
| 30° | 405.0 | 404.8 | 403.7 | 403.7 |
| 32.5° | 378.0 | 377.8 | 376.8 | 377.0 |
| 35° | 350.1 | 351.1 | 350.7 | 349.5 |
| 37.5° | 326.8 | 327.5 | 328.0 | 327.5 |
| 40° | 307.2 | 309.6 | 309.8 | 310.4 |
| 42.5° | 286.5 | 289.6 | 290.6 | 291.2 |
| 45° | 261.6 | 264.5 | 266.7 | 266.2 |
| 47.5° | 236.2 | 238.3 | 240.3 | 238.8 |
| 50° | 211.8 | 213.2 | 213.9 | 213.9 |
| 52.5° | 188.8 | 188.8 | 188.5 | 188.8 |
| 55° | 162.3 | 162.3 | 161.3 | 161.9 |
| 57.5° | 134.7 | 135.1 | 134.4 | 133.1 |
| 60° | 109.0 | 107.8 | 107.2 | 106.4 |
| 62.5° | 84.9 | 84.9 | 83.1 | 85.4 |
| 65° | 63.6 | 62.9 | 62.1 | 61.8 |
| 67.5° | 46.1 | 45.9 | 45.1 | 44.9 |
| 70° | 32.6 | 31.5 | 31.3 | 30.8 |
| 72.5° | 21.8 | 21.8 | 21.3 | 21.3 |
| 75° | 13.4 | 12.0 | 11.8 | 12.0 |
| 77.5° | 9.2 | 9.0 | 9.0 | 8.8 |
| 80° | 6.2 | 5.9 | 6.4 | 5.6 |
| 82.5° | 3.8 | 4.0 | 3.8 | 4.0 |
| 85° | 2.6 | 3.0 | 2.8 | 2.8 |
| 87.5° | 1.6 | 1.6 | 1.6 | 1.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)