

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: P246144

Luminaire Tested: **LD8B10D010 ER8B10935 8LBDW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246144
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 ER8B10935 8LBDW0B
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 872.0 lumens
Efficiency: N/A
Efficacy: 85.5 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

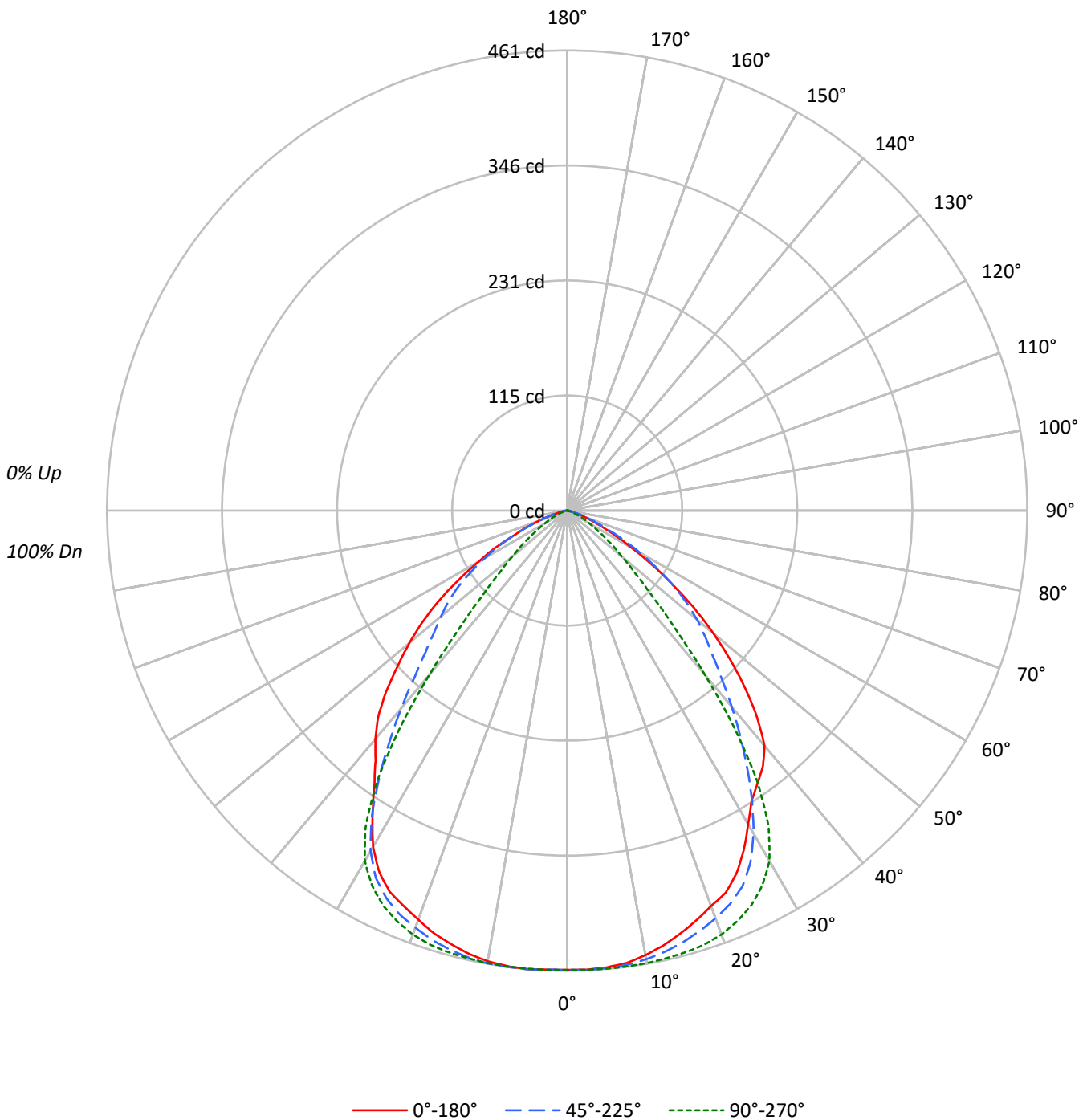
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246144

CATALOG NUMBER: LD8B10D010 ER8B10935 8LBDW0B

Luminous Intensity Polar Plot





TEST NUMBER: P246144

CATALOG NUMBER: LD8B10D010 ER8B10935 8LBDW0B

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° | 14188 | 14188 | 14188 |
| 5° | 14217 | 14257 | 14273 |
| 10° | 14159 | 14413 | 14353 |
| 15° | 14002 | 14624 | 14350 |
| 20° | 13835 | 14829 | 14311 |
| 25° | 13654 | 14848 | 14328 |
| 30° | 12918 | 14431 | 13840 |
| 35° | 12532 | 12539 | 12671 |
| 40° | 12378 | 8630 | 12028 |
| 45° | 11029 | 5181 | 11177 |
| 50° | 9168 | 3449 | 9882 |
| 55° | 6876 | 2376 | 8376 |
| 60° | 4662 | 1585 | 6321 |
| 65° | 2809 | 1029 | 4341 |
| 70° | 1560 | 559 | 2669 |
| 75° | 703 | 238 | 1382 |
| 80° | 622 | 266 | 959 |
| 85° | 708 | 354 | 955 |



TEST NUMBER: P246144

CATALOG NUMBER: LD8B10D010 ER8B10935 8LBDW0B

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 43.9 | 5.0 |
| 10°-20° | 127.5 | 14.6 |
| 20°-30° | 193.5 | 22.2 |
| 30°-40° | 203.3 | 23.3 |
| 40°-50° | 152.4 | 17.5 |
| 50°-60° | 97.8 | 11.2 |
| 60°-70° | 41.8 | 4.8 |
| 70°-80° | 9.9 | 1.1 |
| 80°-90° | 1.8 | 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° | 365.0 | 41.9 |
| 0°-40° | 568.3 | 65.2 |
| 0°-60° | 818.4 | 93.9 |
| 0°-90° | 872.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 872.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 460 | 460 | 460 | 460 | 460 | |
| 5° | 459 | 460 | 461 | 461 | 461 | 44 |
| 15° | 439 | 448 | 458 | 455 | 450 | 124 |
| 25° | 401 | 415 | 436 | 428 | 421 | 183 |
| 35° | 333 | 314 | 333 | 329 | 337 | 209 |
| 45° | 253 | 207 | 119 | 201 | 256 | 194 |
| 55° | 128 | 128 | 44 | 133 | 156 | 116 |
| 65° | 38 | 45 | 14 | 58 | 60 | 41 |
| 75° | 6 | 7 | 2 | 12 | 12 | 9 |
| 85° | 2 | 1 | 1 | 2 | 3 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P246144

CATALOG NUMBER: LD8B10D010 ER8B10935 8LBDW0B

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 |
| 2.5° | 460.3 | 460.8 | 460.6 | 460.6 | 460.3 | 460.6 | 460.6 | 461.1 | 461.1 | 460.6 | 460.3 |
| 5° | 459.3 | 459.8 | 459.8 | 459.3 | 459.3 | 460.6 | 459.8 | 460.3 | 460.3 | 460.1 | 460.1 |
| 7.5° | 457.1 | 457.1 | 458.1 | 457.4 | 457.4 | 458.1 | 457.9 | 458.4 | 458.9 | 459.1 | 459.1 |
| 10° | 452.2 | 452.7 | 452.9 | 452.9 | 453.2 | 453.9 | 454.4 | 455.4 | 455.9 | 456.4 | 456.6 |
| 12.5° | 446.0 | 446.7 | 447.0 | 446.7 | 447.5 | 448.5 | 449.7 | 450.9 | 451.7 | 452.7 | 453.4 |
| 15° | 438.6 | 438.6 | 439.1 | 439.8 | 440.3 | 441.8 | 443.0 | 444.5 | 446.5 | 447.7 | 449.0 |
| 17.5° | 430.5 | 430.9 | 431.7 | 431.7 | 432.7 | 435.1 | 435.9 | 438.1 | 440.3 | 441.6 | 444.0 |
| 20° | 421.6 | 422.1 | 422.8 | 423.3 | 424.5 | 426.5 | 428.0 | 430.0 | 432.4 | 434.7 | 437.1 |
| 22.5° | 414.6 | 413.7 | 414.1 | 414.6 | 415.9 | 417.6 | 419.3 | 421.8 | 424.3 | 426.5 | 429.0 |
| 25° | 401.3 | 401.6 | 402.3 | 402.8 | 404.3 | 405.8 | 407.7 | 410.7 | 412.9 | 415.4 | 418.1 |
| 27.5° | 383.3 | 383.5 | 384.8 | 384.8 | 386.0 | 388.5 | 389.7 | 392.2 | 395.1 | 397.6 | 400.8 |
| 30° | 362.8 | 363.3 | 363.3 | 364.3 | 365.0 | 366.2 | 367.5 | 369.9 | 371.4 | 373.6 | 378.1 |
| 32.5° | 344.0 | 344.5 | 344.3 | 344.0 | 343.3 | 343.0 | 342.8 | 343.3 | 343.8 | 344.5 | 346.2 |
| 35° | 332.9 | 331.7 | 330.7 | 329.0 | 327.0 | 324.5 | 322.3 | 319.3 | 316.6 | 314.4 | 311.9 |
| 37.5° | 322.3 | 322.0 | 320.6 | 318.1 | 314.1 | 309.7 | 304.5 | 298.1 | 291.7 | 284.7 | 278.1 |
| 40° | 307.5 | 306.7 | 305.5 | 302.0 | 297.6 | 292.2 | 285.2 | 277.3 | 267.0 | 256.3 | 245.5 |
| 42.5° | 282.3 | 282.5 | 281.0 | 278.3 | 274.1 | 268.9 | 261.8 | 253.1 | 242.0 | 229.4 | 215.3 |
| 45° | 252.9 | 252.9 | 252.4 | 250.2 | 247.2 | 243.0 | 237.6 | 230.4 | 219.5 | 206.7 | 191.6 |
| 47.5° | 222.3 | 222.5 | 221.8 | 221.3 | 220.0 | 217.3 | 213.4 | 207.9 | 200.3 | 187.9 | 172.9 |
| 50° | 191.1 | 191.1 | 192.4 | 192.1 | 192.1 | 191.1 | 189.4 | 186.2 | 179.5 | 169.7 | 155.6 |
| 52.5° | 160.0 | 160.5 | 161.3 | 162.3 | 163.5 | 165.5 | 163.5 | 162.0 | 157.8 | 150.1 | 138.1 |
| 55° | 127.9 | 128.4 | 129.7 | 131.4 | 132.9 | 134.8 | 135.3 | 135.3 | 133.1 | 127.9 | 118.8 |
| 57.5° | 100.5 | 99.8 | 100.8 | 102.2 | 104.2 | 106.2 | 107.7 | 109.4 | 109.2 | 105.7 | 98.3 |
| 60° | 75.6 | 75.8 | 76.6 | 78.0 | 79.5 | 81.2 | 83.2 | 84.7 | 85.4 | 83.7 | 79.0 |
| 62.5° | 55.1 | 55.1 | 56.1 | 57.5 | 58.3 | 60.8 | 62.0 | 62.7 | 63.5 | 63.2 | 60.3 |
| 65° | 38.5 | 39.0 | 39.5 | 40.3 | 41.0 | 42.5 | 43.2 | 44.7 | 45.2 | 45.4 | 43.2 |
| 67.5° | 27.2 | 26.4 | 26.9 | 27.4 | 28.2 | 29.1 | 30.6 | 30.6 | 31.4 | 31.4 | 29.9 |
| 70° | 17.3 | 17.3 | 17.5 | 18.3 | 18.8 | 19.0 | 19.5 | 20.0 | 20.7 | 20.5 | 20.5 |
| 72.5° | 11.6 | 11.4 | 11.6 | 11.9 | 12.1 | 12.8 | 12.8 | 13.1 | 13.6 | 13.8 | 12.8 |
| 75° | 5.9 | 6.2 | 6.7 | 6.4 | 7.2 | 6.7 | 6.9 | 7.7 | 7.4 | 6.9 | 6.9 |
| 77.5° | 4.9 | 4.9 | 4.9 | 4.7 | 5.2 | 5.2 | 4.9 | 5.4 | 5.2 | 5.2 | 4.9 |
| 80° | 3.5 | 3.7 | 3.5 | 3.2 | 3.5 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.0 |
| 82.5° | 2.7 | 2.2 | 2.5 | 2.2 | 2.5 | 2.5 | 2.2 | 2.0 | 2.0 | 2.2 | 2.0 |
| 85° | 2.0 | 1.5 | 1.7 | 1.7 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.2 | 1.2 |
| 87.5° | 1.2 | 0.7 | 0.7 | 0.7 | 1.0 | 1.0 | 1.0 | 0.7 | 1.0 | 1.0 | 0.5 |
| 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: P246144

CATALOG NUMBER: LD8B10D010 ER8B10935 8LBDW0B

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 |
| 2.5° | 460.8 | 460.6 | 461.1 | 460.8 | 460.8 | 460.6 | 460.8 | 460.6 | 461.1 | 460.1 | 460.3 |
| 5° | 460.8 | 460.3 | 460.6 | 460.8 | 461.1 | 460.6 | 460.6 | 460.6 | 461.1 | 460.6 | 460.8 |
| 7.5° | 459.8 | 459.6 | 460.3 | 460.8 | 460.6 | 460.3 | 460.8 | 460.6 | 461.1 | 460.8 | 461.3 |
| 10° | 457.9 | 458.1 | 458.6 | 459.3 | 459.6 | 459.8 | 460.3 | 460.3 | 461.1 | 460.1 | 460.6 |
| 12.5° | 454.9 | 455.9 | 457.1 | 457.6 | 458.6 | 458.6 | 459.1 | 459.3 | 459.8 | 459.6 | 460.3 |
| 15° | 451.2 | 452.4 | 453.9 | 455.1 | 456.4 | 457.1 | 457.9 | 458.1 | 458.9 | 458.1 | 458.4 |
| 17.5° | 446.7 | 448.2 | 450.5 | 451.9 | 453.9 | 454.7 | 455.6 | 456.1 | 456.9 | 456.4 | 456.6 |
| 20° | 440.6 | 442.3 | 444.8 | 447.0 | 448.2 | 450.0 | 451.2 | 451.9 | 452.4 | 451.9 | 452.2 |
| 22.5° | 431.9 | 434.4 | 437.6 | 439.3 | 441.8 | 443.3 | 443.5 | 445.3 | 446.5 | 445.3 | 445.8 |
| 25° | 421.8 | 424.3 | 426.7 | 430.5 | 432.7 | 434.4 | 436.1 | 436.4 | 437.6 | 437.4 | 437.1 |
| 27.5° | 405.0 | 408.2 | 412.4 | 415.4 | 418.3 | 421.1 | 423.0 | 423.5 | 424.8 | 424.3 | 424.5 |
| 30° | 382.0 | 385.5 | 389.5 | 394.1 | 398.3 | 401.1 | 403.5 | 405.3 | 406.5 | 405.8 | 405.5 |
| 32.5° | 349.4 | 352.9 | 357.1 | 361.8 | 366.7 | 370.7 | 373.6 | 375.9 | 377.4 | 376.9 | 375.6 |
| 35° | 312.2 | 313.1 | 315.9 | 319.6 | 323.8 | 328.0 | 330.7 | 333.1 | 334.9 | 335.4 | 335.4 |
| 37.5° | 273.9 | 270.7 | 268.7 | 268.7 | 271.2 | 272.9 | 275.4 | 276.8 | 279.6 | 280.5 | 281.3 |
| 40° | 236.8 | 229.4 | 222.5 | 217.3 | 213.9 | 213.6 | 213.6 | 214.4 | 216.8 | 220.0 | 223.0 |
| 42.5° | 203.7 | 191.9 | 181.3 | 171.6 | 164.7 | 160.8 | 159.0 | 159.3 | 161.3 | 164.2 | 169.2 |
| 45° | 177.3 | 162.5 | 149.2 | 137.6 | 128.2 | 122.0 | 119.0 | 118.8 | 120.3 | 123.7 | 129.2 |
| 47.5° | 156.8 | 141.0 | 125.9 | 112.6 | 102.5 | 95.8 | 92.4 | 91.4 | 92.4 | 95.6 | 102.0 |
| 50° | 139.8 | 123.5 | 107.9 | 94.1 | 83.2 | 76.3 | 73.1 | 71.9 | 73.1 | 75.8 | 82.2 |
| 52.5° | 124.0 | 107.2 | 92.6 | 79.3 | 67.7 | 61.7 | 58.3 | 57.5 | 58.3 | 61.5 | 66.7 |
| 55° | 105.7 | 91.4 | 77.1 | 63.7 | 53.6 | 47.7 | 44.9 | 44.2 | 44.9 | 47.9 | 53.3 |
| 57.5° | 87.7 | 75.3 | 62.7 | 50.6 | 42.0 | 36.8 | 34.3 | 33.3 | 35.1 | 37.0 | 43.5 |
| 60° | 70.9 | 61.0 | 50.4 | 39.8 | 32.6 | 27.9 | 25.9 | 25.7 | 26.2 | 28.6 | 33.1 |
| 62.5° | 55.6 | 47.4 | 39.0 | 30.4 | 24.4 | 22.5 | 20.0 | 19.8 | 20.2 | 21.7 | 25.2 |
| 65° | 40.0 | 34.8 | 28.4 | 22.2 | 17.5 | 14.8 | 13.8 | 14.1 | 14.6 | 15.6 | 18.8 |
| 67.5° | 27.9 | 24.2 | 19.8 | 15.6 | 12.1 | 10.9 | 9.9 | 9.6 | 9.9 | 11.6 | 13.3 |
| 70° | 18.8 | 16.5 | 13.3 | 11.9 | 8.4 | 6.7 | 6.9 | 6.2 | 7.2 | 7.2 | 8.6 |
| 72.5° | 12.3 | 10.9 | 8.9 | 6.9 | 5.9 | 4.7 | 4.7 | 4.4 | 4.9 | 5.2 | 6.4 |
| 75° | 6.4 | 4.9 | 4.9 | 3.5 | 2.5 | 1.2 | 2.2 | 2.0 | 1.7 | 2.0 | 2.5 |
| 77.5° | 4.4 | 3.7 | 3.5 | 2.7 | 2.5 | 2.0 | 2.0 | 2.0 | 2.0 | 2.2 | 2.5 |
| 80° | 2.7 | 2.7 | 2.0 | 1.7 | 1.5 | 1.2 | 1.5 | 1.5 | 1.5 | 1.5 | 1.7 |
| 82.5° | 1.7 | 1.5 | 1.5 | 1.2 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 |
| 85° | 1.5 | 1.0 | 1.0 | 0.7 | 1.0 | 1.7 | 0.7 | 1.0 | 1.0 | 1.0 | 0.7 |
| 87.5° | 0.5 | 0.7 | 0.7 | 0.7 | 0.5 | 0.2 | 0.5 | 0.7 | 0.7 | 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 |



TEST NUMBER: P246144

CATALOG NUMBER: LD8B10D010 ER8B10935 8LBDW0B

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 |
| 2.5° | 460.8 | 461.1 | 461.1 | 460.8 | 460.8 | 460.3 | 461.3 | 460.6 | 460.8 | 461.8 | 461.1 |
| 5° | 461.3 | 461.6 | 461.6 | 461.3 | 461.3 | 461.3 | 461.6 | 461.6 | 461.3 | 461.1 | 461.6 |
| 7.5° | 462.3 | 462.1 | 462.1 | 461.6 | 461.6 | 461.1 | 461.6 | 460.8 | 461.3 | 460.8 | 461.6 |
| 10° | 461.1 | 461.3 | 461.1 | 460.8 | 460.8 | 460.6 | 460.6 | 459.8 | 460.1 | 459.3 | 459.8 |
| 12.5° | 460.3 | 460.1 | 460.1 | 459.6 | 459.1 | 458.6 | 458.4 | 457.6 | 457.6 | 455.9 | 456.6 |
| 15° | 458.4 | 458.6 | 457.9 | 456.9 | 456.4 | 455.1 | 454.7 | 453.7 | 452.7 | 451.4 | 451.7 |
| 17.5° | 456.6 | 455.9 | 454.9 | 453.9 | 451.9 | 450.9 | 450.0 | 448.5 | 448.0 | 446.5 | 446.0 |
| 20° | 451.4 | 450.9 | 449.7 | 448.0 | 446.7 | 444.5 | 443.5 | 442.1 | 440.8 | 439.3 | 438.6 |
| 22.5° | 444.8 | 444.3 | 442.8 | 441.1 | 439.1 | 438.1 | 437.1 | 434.4 | 433.2 | 431.7 | 431.4 |
| 25° | 436.4 | 435.6 | 434.2 | 432.2 | 431.2 | 428.5 | 427.5 | 425.5 | 425.0 | 423.5 | 423.3 |
| 27.5° | 423.5 | 422.5 | 420.8 | 418.3 | 416.6 | 414.9 | 413.9 | 412.4 | 411.9 | 410.4 | 410.2 |
| 30° | 404.3 | 403.0 | 399.6 | 398.6 | 395.6 | 393.9 | 393.9 | 391.9 | 392.2 | 391.2 | 391.2 |
| 32.5° | 373.9 | 371.9 | 369.2 | 367.2 | 365.3 | 364.3 | 364.3 | 363.5 | 364.0 | 364.0 | 364.5 |
| 35° | 333.6 | 330.9 | 329.4 | 328.2 | 328.2 | 329.2 | 332.2 | 332.9 | 334.4 | 335.6 | 336.6 |
| 37.5° | 282.0 | 281.8 | 283.5 | 285.0 | 288.7 | 292.9 | 298.1 | 302.5 | 306.7 | 309.7 | 312.6 |
| 40° | 226.2 | 232.4 | 237.3 | 244.2 | 249.9 | 258.1 | 267.5 | 275.1 | 282.3 | 287.5 | 292.9 |
| 42.5° | 176.6 | 184.5 | 194.9 | 205.0 | 215.1 | 226.2 | 238.6 | 249.2 | 258.6 | 265.7 | 271.4 |
| 45° | 137.6 | 148.4 | 161.0 | 173.9 | 186.9 | 200.8 | 213.6 | 224.5 | 234.4 | 241.8 | 247.5 |
| 47.5° | 110.9 | 122.7 | 137.1 | 151.1 | 166.0 | 180.5 | 194.9 | 204.2 | 212.4 | 218.3 | 223.5 |
| 50° | 91.6 | 104.2 | 119.3 | 135.3 | 150.1 | 164.7 | 177.1 | 186.2 | 192.9 | 198.1 | 201.3 |
| 52.5° | 76.6 | 89.9 | 105.9 | 122.0 | 136.8 | 150.1 | 161.3 | 168.2 | 173.6 | 177.3 | 180.3 |
| 55° | 63.2 | 76.1 | 91.1 | 106.2 | 120.8 | 133.4 | 142.5 | 147.7 | 151.9 | 154.1 | 155.8 |
| 57.5° | 51.6 | 63.5 | 77.3 | 91.1 | 103.7 | 114.1 | 121.3 | 126.4 | 128.4 | 130.1 | 129.9 |
| 60° | 40.5 | 51.6 | 64.2 | 76.1 | 86.9 | 95.3 | 100.5 | 103.5 | 105.0 | 105.7 | 105.2 |
| 62.5° | 31.9 | 42.0 | 51.6 | 62.0 | 69.9 | 77.1 | 82.0 | 82.0 | 82.7 | 83.0 | 83.7 |
| 65° | 23.7 | 31.4 | 39.8 | 47.4 | 53.8 | 58.5 | 61.2 | 62.0 | 63.0 | 62.7 | 62.2 |
| 67.5° | 17.5 | 23.2 | 29.4 | 35.1 | 39.5 | 42.5 | 44.5 | 46.2 | 45.9 | 45.4 | 45.2 |
| 70° | 12.1 | 15.8 | 21.2 | 24.7 | 27.9 | 30.9 | 31.4 | 31.6 | 31.9 | 32.1 | 31.6 |
| 72.5° | 8.4 | 11.1 | 14.1 | 17.0 | 19.0 | 20.2 | 21.5 | 21.7 | 21.7 | 21.7 | 21.5 |
| 75° | 4.2 | 5.7 | 8.4 | 9.6 | 11.4 | 11.9 | 12.8 | 12.8 | 13.6 | 12.6 | 12.3 |
| 77.5° | 3.7 | 4.4 | 5.9 | 6.9 | 7.7 | 8.4 | 8.6 | 9.4 | 9.1 | 8.6 | 8.9 |
| 80° | 2.2 | 2.7 | 3.7 | 4.2 | 5.2 | 5.4 | 5.7 | 5.9 | 5.7 | 5.9 | 5.9 |
| 82.5° | 1.7 | 2.0 | 2.5 | 2.5 | 3.2 | 3.2 | 3.5 | 3.5 | 3.7 | 3.7 | 3.7 |
| 85° | 1.0 | 1.7 | 1.5 | 3.0 | 2.0 | 2.0 | 2.5 | 3.0 | 2.5 | 2.5 | 3.0 |
| 87.5° | 1.0 | 1.0 | 0.7 | 1.0 | 1.0 | 1.0 | 1.2 | 1.5 | 1.5 | 1.7 | 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: P246144

CATALOG NUMBER: LD8B10D010 ER8B10935 8LBDW0B

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 460.1 | 460.1 | 460.1 | 460.1 |
| 2.5° | 460.8 | 461.3 | 460.6 | 460.3 |
| 5° | 461.6 | 461.6 | 461.1 | 461.1 |
| 7.5° | 461.6 | 461.6 | 460.8 | 460.3 |
| 10° | 459.6 | 459.6 | 458.9 | 458.4 |
| 12.5° | 455.9 | 455.9 | 455.6 | 454.9 |
| 15° | 451.2 | 451.2 | 450.2 | 449.5 |
| 17.5° | 444.8 | 445.3 | 444.0 | 444.0 |
| 20° | 437.9 | 437.6 | 436.6 | 436.1 |
| 22.5° | 430.7 | 430.2 | 430.0 | 428.5 |
| 25° | 423.0 | 422.5 | 421.8 | 421.1 |
| 27.5° | 410.0 | 409.7 | 409.0 | 408.0 |
| 30° | 389.9 | 389.7 | 388.7 | 388.7 |
| 32.5° | 364.0 | 363.8 | 362.8 | 363.0 |
| 35° | 337.1 | 338.1 | 337.6 | 336.6 |
| 37.5° | 314.6 | 315.4 | 315.9 | 315.4 |
| 40° | 295.9 | 298.1 | 298.3 | 298.8 |
| 42.5° | 275.9 | 278.8 | 279.8 | 280.3 |
| 45° | 251.9 | 254.6 | 256.8 | 256.3 |
| 47.5° | 227.4 | 229.4 | 231.4 | 229.9 |
| 50° | 204.0 | 205.2 | 206.0 | 206.0 |
| 52.5° | 181.8 | 181.8 | 181.5 | 181.8 |
| 55° | 156.3 | 156.3 | 155.3 | 155.8 |
| 57.5° | 129.7 | 130.1 | 129.4 | 128.2 |
| 60° | 105.0 | 103.7 | 103.2 | 102.5 |
| 62.5° | 81.7 | 81.7 | 80.0 | 82.2 |
| 65° | 61.2 | 60.5 | 59.8 | 59.5 |
| 67.5° | 44.5 | 44.2 | 43.5 | 43.2 |
| 70° | 31.4 | 30.4 | 30.1 | 29.6 |
| 72.5° | 21.0 | 21.0 | 20.5 | 20.5 |
| 75° | 12.8 | 11.6 | 11.4 | 11.6 |
| 77.5° | 8.9 | 8.6 | 8.6 | 8.4 |
| 80° | 5.9 | 5.7 | 6.2 | 5.4 |
| 82.5° | 3.7 | 4.0 | 3.7 | 4.0 |
| 85° | 2.5 | 3.0 | 2.7 | 2.7 |
| 87.5° | 1.5 | 1.5 | 1.5 | 1.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)