

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: P#

Luminaire Tested: **LD4C08D010 EX4C089035 4LBSQLWWLI**

Issue Date: 2/18/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P219529)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C08D010 EX4C089035 4LBSQLWWLI
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 4LBSQLWW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

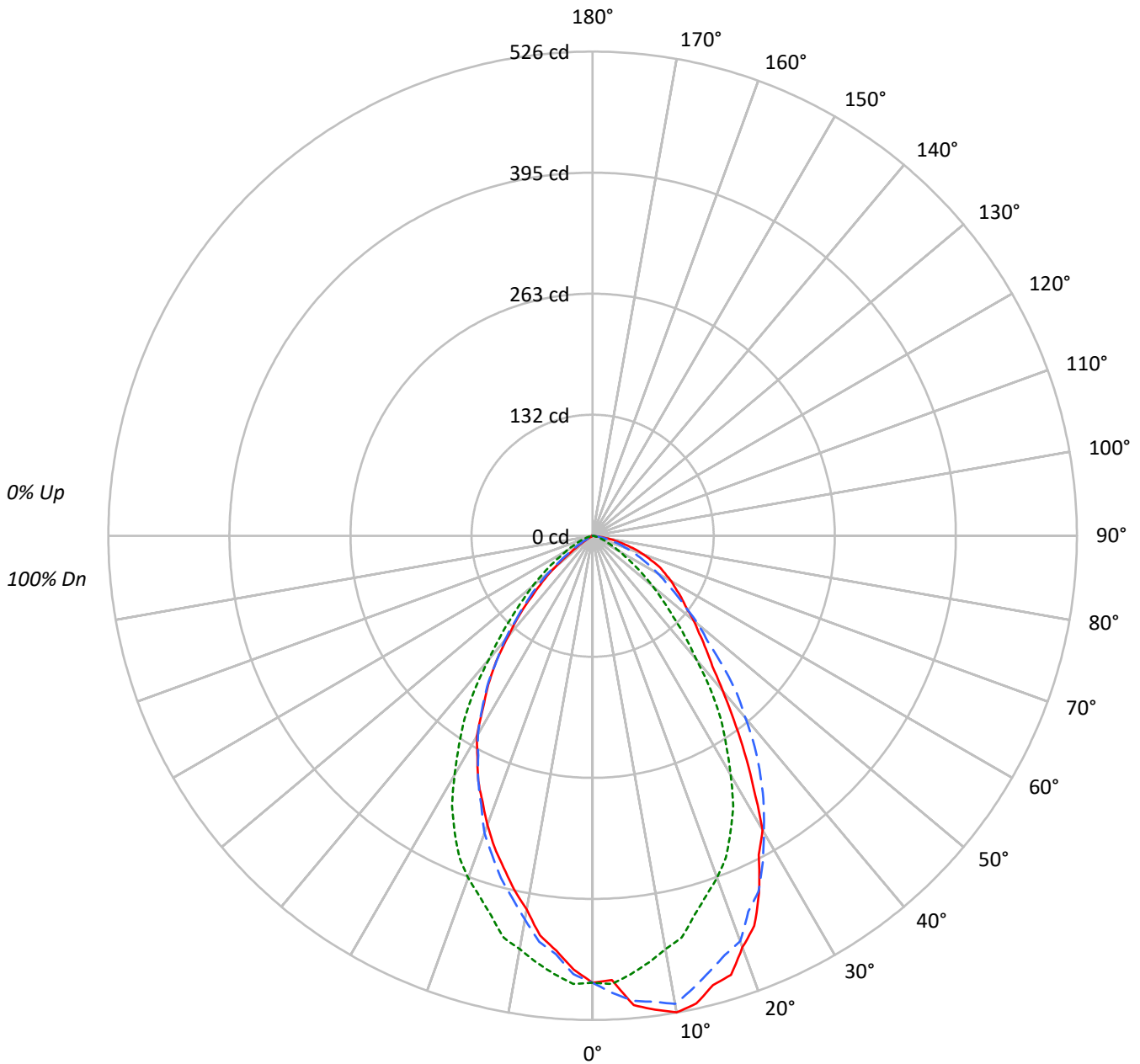
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 696.0 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1 / 1.06
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V):
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: P#
CATALOG NUMBER: LD4C08D010 EX4C089035 4LBSQLWWLI

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD4C08D010 EX4C089035 4LBSQLWWLI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | |
| RC | 80 | | | | | | | | | 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 | 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 | 101 | 102 | 100 | 98 | 98 | 96 | 95 | 95 | 93 | 92 | 90 | | | | | | | | | | | | | | | | | | | |
| 2 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 88 | 93 | 89 | 86 | 90 | 87 | 84 | 87 | 84 | 82 | 80 | | | | | | | | | | | | | | | | | | | |
| 3 | 97 | 89 | 83 | 78 | 95 | 88 | 82 | 77 | 85 | 80 | 76 | 82 | 78 | 75 | 80 | 77 | 74 | 72 | | | | | | | | | | | | | | | | | | | |
| 4 | 91 | 81 | 74 | 69 | 89 | 80 | 74 | 69 | 78 | 72 | 68 | 76 | 71 | 67 | 74 | 70 | 66 | 64 | | | | | | | | | | | | | | | | | | | |
| 5 | 85 | 75 | 67 | 62 | 83 | 74 | 67 | 62 | 72 | 66 | 61 | 70 | 65 | 60 | 68 | 64 | 60 | 58 | | | | | | | | | | | | | | | | | | | |
| 6 | 80 | 69 | 61 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 54 | 53 | | | | | | | | | | | | | | | | | | | |
| 7 | 75 | 63 | 56 | 51 | 73 | 63 | 56 | 51 | 61 | 55 | 50 | 60 | 54 | 50 | 59 | 54 | 50 | 48 | | | | | | | | | | | | | | | | | | | |
| 8 | 70 | 59 | 52 | 47 | 69 | 58 | 51 | 46 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 44 | | | | | | | | | | | | | | | | | | | |
| 9 | 66 | 55 | 48 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 51 | 46 | 42 | 41 | | | | | | | | | | | | | | | | | | | |
| 10 | 62 | 51 | 44 | 40 | 61 | 51 | 44 | 40 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 38 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 46845 | 46845 | 46845 |
| 5° | 49572 | 46298 | 43818 |
| 10° | 51507 | 44668 | 40386 |
| 15° | 50476 | 42624 | 37280 |
| 20° | 48846 | 40590 | 34316 |
| 25° | 45556 | 37752 | 31300 |
| 30° | 41124 | 33402 | 28021 |
| 35° | 33877 | 28600 | 23252 |
| 40° | 27648 | 22068 | 17899 |
| 45° | 23757 | 16770 | 12868 |
| 50° | 21496 | 12759 | 8121 |
| 55° | 19783 | 9202 | 2944 |
| 60° | 18989 | 6291 | 444 |
| 65° | 18333 | 4247 | 137 |
| 70° | 16419 | 2962 | 169 |
| 75° | 13458 | 1528 | 0 |
| 80° | 8390 | 667 | 0 |
| 85° | 0 | 0 | 0 |



TEST NUMBER: P#

CATALOG NUMBER: LD4C08D010 EX4C089035 4LBSQLWWLI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 45.5 | 6.5 |
| 10°-20° | 122.6 | 17.6 |
| 20°-30° | 163.7 | 23.5 |
| 30°-40° | 155.4 | 22.3 |
| 40°-50° | 107.4 | 15.4 |
| 50°-60° | 59.3 | 8.5 |
| 60°-70° | 29.5 | 4.2 |
| 70°-80° | 11.6 | 1.7 |
| 80°-90° | 1.1 | 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° | 331.7 | 47.7 |
| 0°-40° | 487.1 | 70.0 |
| 0°-60° | 653.8 | 93.9 |
| 0°-90° | 696.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 696.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 486 | 486 | 486 | 486 | 486 | |
| 5° | 512 | 507 | 478 | 456 | 452 | 49 |
| 15° | 505 | 490 | 427 | 385 | 373 | 143 |
| 25° | 428 | 426 | 355 | 294 | 294 | 195 |
| 35° | 288 | 318 | 243 | 200 | 197 | 180 |
| 45° | 174 | 200 | 123 | 101 | 94 | 136 |
| 55° | 118 | 111 | 55 | 28 | 18 | 106 |
| 65° | 80 | 58 | 19 | 1 | 1 | 78 |
| 75° | 36 | 22 | 4 | 0 | 0 | 38 |
| 85° | 0 | 1 | 0 | 0 | 0 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#

CATALOG NUMBER: LD4C08D010 EX4C089035 4LBSQLWWLI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 |
| 2.5° | 483.2 | 496.6 | 497.8 | 496.6 | 498.4 | 497.8 | 500.7 | 497.8 | 501.3 | 496.0 | 497.2 |
| 5° | 511.8 | 506.5 | 517.6 | 511.8 | 511.8 | 511.2 | 509.4 | 508.8 | 511.2 | 503.6 | 507.1 |
| 7.5° | 519.3 | 526.9 | 536.8 | 524.6 | 525.1 | 525.1 | 521.7 | 520.5 | 520.5 | 506.5 | 510.6 |
| 10° | 525.7 | 521.1 | 526.3 | 521.7 | 525.7 | 525.1 | 527.5 | 519.9 | 525.1 | 517.0 | 516.4 |
| 12.5° | 520.5 | 518.7 | 525.7 | 518.2 | 515.8 | 516.4 | 513.5 | 511.8 | 513.5 | 504.2 | 503.6 |
| 15° | 505.3 | 507.1 | 517.6 | 509.4 | 508.3 | 507.1 | 503.6 | 497.8 | 502.4 | 489.6 | 490.2 |
| 17.5° | 500.1 | 497.2 | 499.0 | 492.0 | 493.7 | 492.5 | 492.0 | 486.7 | 485.5 | 477.4 | 477.4 |
| 20° | 475.7 | 482.1 | 482.1 | 477.4 | 477.4 | 476.8 | 469.3 | 473.9 | 468.7 | 466.3 | 468.7 |
| 22.5° | 458.8 | 459.4 | 459.4 | 455.3 | 455.9 | 453.5 | 449.5 | 446.5 | 449.5 | 446.5 | 441.9 |
| 25° | 427.9 | 429.1 | 436.1 | 428.5 | 427.3 | 429.7 | 426.2 | 424.4 | 423.8 | 416.9 | 426.2 |
| 27.5° | 390.7 | 402.3 | 401.7 | 398.8 | 402.3 | 397.6 | 395.9 | 396.5 | 398.2 | 397.6 | 400.0 |
| 30° | 369.1 | 370.9 | 372.6 | 370.3 | 370.9 | 369.1 | 369.1 | 369.7 | 374.3 | 372.6 | 372.0 |
| 32.5° | 325.4 | 331.3 | 335.9 | 335.9 | 336.5 | 338.3 | 337.7 | 349.9 | 352.8 | 347.0 | 345.8 |
| 35° | 287.6 | 291.7 | 295.7 | 296.3 | 303.9 | 304.5 | 305.1 | 308.6 | 316.7 | 318.5 | 317.9 |
| 37.5° | 251.5 | 255.6 | 256.7 | 262.0 | 266.1 | 270.1 | 274.8 | 279.5 | 286.4 | 292.3 | 289.4 |
| 40° | 219.5 | 221.2 | 224.1 | 226.5 | 234.6 | 234.6 | 236.9 | 246.3 | 253.8 | 258.5 | 257.9 |
| 42.5° | 192.7 | 193.3 | 195.6 | 199.7 | 207.3 | 205.5 | 207.3 | 213.7 | 224.7 | 225.3 | 231.7 |
| 45° | 174.1 | 173.5 | 175.2 | 175.8 | 180.5 | 182.8 | 184.0 | 188.6 | 197.9 | 199.1 | 199.7 |
| 47.5° | 157.2 | 156.6 | 159.5 | 160.7 | 162.4 | 164.8 | 164.8 | 165.3 | 168.8 | 171.8 | 169.4 |
| 50° | 143.2 | 143.2 | 143.2 | 144.4 | 147.3 | 146.7 | 147.3 | 149.6 | 151.4 | 150.2 | 149.6 |
| 52.5° | 128.1 | 130.4 | 132.2 | 132.8 | 133.3 | 133.3 | 133.9 | 132.8 | 132.2 | 130.4 | 126.9 |
| 55° | 117.6 | 119.9 | 119.9 | 119.9 | 119.9 | 122.3 | 119.4 | 119.9 | 119.9 | 115.3 | 110.6 |
| 57.5° | 107.1 | 109.5 | 111.2 | 108.9 | 111.2 | 108.9 | 107.7 | 107.1 | 106.0 | 101.3 | 94.3 |
| 60° | 98.4 | 99.6 | 99.0 | 98.4 | 99.6 | 97.8 | 96.6 | 94.3 | 93.2 | 86.7 | 82.1 |
| 62.5° | 88.5 | 89.1 | 89.7 | 88.5 | 87.3 | 86.7 | 84.4 | 80.9 | 78.6 | 73.4 | 69.3 |
| 65° | 80.3 | 78.6 | 78.0 | 77.4 | 76.3 | 74.5 | 72.8 | 68.7 | 66.9 | 62.3 | 58.2 |
| 67.5° | 68.1 | 67.5 | 68.7 | 66.9 | 64.0 | 64.0 | 62.3 | 58.8 | 54.7 | 51.8 | 47.7 |
| 70° | 58.2 | 57.6 | 56.5 | 54.7 | 54.1 | 51.8 | 51.8 | 47.7 | 46.6 | 41.3 | 37.8 |
| 72.5° | 47.7 | 47.7 | 46.0 | 44.3 | 42.5 | 41.3 | 40.8 | 37.8 | 36.1 | 33.2 | 30.3 |
| 75° | 36.1 | 36.1 | 35.5 | 33.8 | 32.6 | 31.4 | 30.9 | 28.5 | 26.8 | 23.9 | 22.1 |
| 77.5° | 25.6 | 25.6 | 23.3 | 22.1 | 22.7 | 21.5 | 20.4 | 19.8 | 19.2 | 17.5 | 15.1 |
| 80° | 15.1 | 14.6 | 12.8 | 13.4 | 12.8 | 12.8 | 12.2 | 11.6 | 10.5 | 9.3 | 8.1 |
| 82.5° | 4.1 | 4.7 | 4.7 | 4.7 | 5.2 | 4.1 | 4.1 | 4.1 | 4.7 | 4.7 | 2.9 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 |
| 87.5° | 0.6 | 1.2 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 1.8 | 1.8 | 1.8 | 1.2 |
| 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: P#

CATALOG NUMBER: LD4C08D010 EX4C089035 4LBSQLWWLI

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 |
| 2.5° | 491.4 | 490.8 | 491.4 | 487.3 | 496.6 | 489.6 | 488.5 | 487.3 | 491.4 | 487.3 | 481.5 |
| 5° | 501.9 | 496.0 | 494.3 | 492.5 | 497.8 | 489.6 | 487.9 | 488.5 | 485.5 | 478.0 | 478.6 |
| 7.5° | 505.3 | 500.1 | 494.9 | 483.8 | 488.5 | 486.7 | 482.1 | 478.6 | 473.9 | 467.5 | 466.3 |
| 10° | 506.5 | 500.7 | 493.1 | 489.6 | 482.6 | 480.3 | 478.6 | 472.7 | 466.9 | 455.9 | 453.0 |
| 12.5° | 503.0 | 496.0 | 486.7 | 483.8 | 478.6 | 471.0 | 466.9 | 461.1 | 455.9 | 447.1 | 440.7 |
| 15° | 487.9 | 482.1 | 479.2 | 469.3 | 466.9 | 462.3 | 454.1 | 446.0 | 438.4 | 426.7 | 423.3 |
| 17.5° | 470.4 | 468.1 | 465.2 | 457.6 | 457.0 | 452.4 | 444.8 | 437.8 | 427.9 | 409.9 | 404.0 |
| 20° | 452.4 | 452.4 | 443.1 | 440.2 | 446.0 | 436.6 | 430.8 | 424.4 | 404.0 | 395.3 | 384.8 |
| 22.5° | 439.0 | 432.6 | 427.3 | 422.7 | 423.3 | 417.4 | 409.3 | 396.5 | 388.9 | 378.4 | 366.2 |
| 25° | 412.8 | 415.1 | 403.5 | 401.7 | 403.5 | 390.1 | 386.0 | 375.5 | 364.4 | 354.6 | 345.2 |
| 27.5° | 396.5 | 390.1 | 382.5 | 376.1 | 376.1 | 370.9 | 359.2 | 356.9 | 340.0 | 330.7 | 319.0 |
| 30° | 372.0 | 367.4 | 361.0 | 351.7 | 350.5 | 346.4 | 337.1 | 331.3 | 313.8 | 299.8 | 293.4 |
| 32.5° | 341.2 | 339.4 | 334.2 | 323.7 | 320.2 | 315.5 | 303.9 | 294.0 | 285.9 | 270.1 | 262.6 |
| 35° | 319.0 | 312.6 | 301.6 | 292.9 | 289.9 | 281.8 | 272.5 | 265.5 | 256.7 | 242.8 | 232.9 |
| 37.5° | 285.9 | 279.5 | 269.0 | 258.5 | 258.5 | 250.4 | 237.5 | 230.6 | 218.3 | 210.2 | 202.0 |
| 40° | 256.7 | 248.6 | 238.1 | 225.9 | 224.1 | 212.5 | 207.3 | 195.6 | 188.0 | 175.2 | 174.1 |
| 42.5° | 224.1 | 216.6 | 207.3 | 197.9 | 191.0 | 185.1 | 171.8 | 163.0 | 154.9 | 148.5 | 146.7 |
| 45° | 194.5 | 184.6 | 176.4 | 164.8 | 157.8 | 150.8 | 142.1 | 136.2 | 129.8 | 122.9 | 118.8 |
| 47.5° | 168.8 | 160.7 | 149.0 | 138.6 | 131.6 | 128.1 | 118.2 | 111.8 | 106.5 | 101.9 | 99.0 |
| 50° | 142.7 | 132.8 | 126.3 | 114.7 | 113.5 | 105.4 | 97.2 | 92.0 | 89.1 | 85.0 | 80.9 |
| 52.5° | 122.9 | 113.5 | 104.8 | 96.1 | 91.4 | 88.5 | 80.9 | 75.7 | 71.6 | 68.7 | 66.4 |
| 55° | 103.6 | 95.5 | 88.5 | 79.8 | 76.8 | 72.8 | 64.0 | 62.9 | 58.8 | 54.7 | 51.8 |
| 57.5° | 89.1 | 81.5 | 73.4 | 67.5 | 62.3 | 59.4 | 52.4 | 47.7 | 45.4 | 41.9 | 39.0 |
| 60° | 75.7 | 67.5 | 61.1 | 54.1 | 51.8 | 47.7 | 42.5 | 38.4 | 35.5 | 32.6 | 29.7 |
| 62.5° | 63.5 | 56.5 | 49.5 | 43.7 | 40.2 | 37.8 | 33.8 | 30.3 | 27.4 | 25.0 | 22.7 |
| 65° | 52.4 | 46.0 | 40.2 | 34.4 | 32.6 | 29.7 | 26.8 | 23.9 | 21.5 | 18.6 | 16.3 |
| 67.5° | 43.1 | 37.3 | 31.4 | 27.4 | 25.6 | 24.5 | 21.0 | 18.0 | 16.3 | 14.6 | 12.2 |
| 70° | 33.8 | 29.7 | 25.0 | 21.5 | 19.8 | 18.0 | 15.7 | 14.0 | 11.6 | 10.5 | 8.7 |
| 72.5° | 26.2 | 22.7 | 18.6 | 15.7 | 14.6 | 13.4 | 11.1 | 9.3 | 8.1 | 7.0 | 5.8 |
| 75° | 18.6 | 15.7 | 13.4 | 10.5 | 9.9 | 9.3 | 7.6 | 6.4 | 5.2 | 4.1 | 3.5 |
| 77.5° | 12.8 | 10.5 | 8.1 | 7.0 | 6.4 | 5.2 | 4.7 | 3.5 | 2.9 | 2.3 | 1.8 |
| 80° | 7.0 | 5.2 | 4.1 | 3.5 | 2.9 | 2.3 | 2.3 | 1.8 | 1.2 | 1.2 | 0.6 |
| 82.5° | 2.3 | 1.8 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.0 | 0.6 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 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: P#

CATALOG NUMBER: LD4C08D010 EX4C089035 4LBSQLWWLI

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 |
| 2.5° | 485.0 | 478.6 | 480.3 | 480.3 | 479.2 | 479.2 | 478.0 | 476.2 | 476.8 | 473.3 | 465.8 |
| 5° | 479.7 | 471.6 | 470.4 | 471.6 | 466.9 | 465.8 | 463.4 | 466.9 | 456.4 | 460.5 | 455.9 |
| 7.5° | 464.6 | 457.0 | 455.3 | 459.4 | 453.5 | 450.0 | 449.5 | 454.1 | 444.8 | 440.2 | 434.9 |
| 10° | 447.7 | 444.8 | 439.6 | 436.6 | 434.9 | 435.5 | 430.8 | 425.0 | 423.3 | 422.1 | 417.4 |
| 12.5° | 432.6 | 426.2 | 421.5 | 418.0 | 416.9 | 416.9 | 409.3 | 408.1 | 402.9 | 401.7 | 394.7 |
| 15° | 414.5 | 407.0 | 404.0 | 399.4 | 395.3 | 397.6 | 388.9 | 386.6 | 384.8 | 377.3 | 378.4 |
| 17.5° | 398.8 | 390.7 | 383.7 | 380.8 | 377.3 | 373.8 | 365.6 | 367.4 | 363.3 | 363.3 | 352.8 |
| 20° | 378.4 | 369.7 | 364.4 | 358.6 | 358.6 | 354.0 | 348.2 | 348.7 | 343.5 | 338.3 | 328.9 |
| 22.5° | 356.9 | 347.6 | 341.2 | 338.8 | 333.0 | 331.9 | 324.9 | 323.1 | 316.1 | 316.7 | 308.6 |
| 25° | 334.2 | 324.9 | 316.1 | 316.7 | 311.5 | 309.2 | 305.1 | 296.9 | 294.0 | 290.5 | 288.2 |
| 27.5° | 307.4 | 301.0 | 293.4 | 292.9 | 283.0 | 283.5 | 278.3 | 276.0 | 269.0 | 270.7 | 265.5 |
| 30° | 283.0 | 273.6 | 266.6 | 264.9 | 260.8 | 259.7 | 251.5 | 248.0 | 249.2 | 244.5 | 241.6 |
| 32.5° | 257.9 | 243.9 | 241.0 | 237.5 | 235.2 | 232.3 | 226.5 | 228.8 | 223.6 | 224.7 | 220.1 |
| 35° | 224.7 | 218.9 | 211.3 | 211.3 | 209.0 | 206.7 | 202.6 | 204.9 | 199.7 | 197.4 | 192.7 |
| 37.5° | 196.8 | 191.6 | 184.0 | 186.3 | 182.2 | 178.7 | 175.2 | 175.8 | 171.2 | 170.6 | 165.9 |
| 40° | 166.5 | 163.6 | 158.4 | 158.4 | 155.4 | 155.4 | 153.7 | 152.0 | 149.0 | 145.5 | 140.3 |
| 42.5° | 138.0 | 135.6 | 133.3 | 133.9 | 129.8 | 133.3 | 128.7 | 131.6 | 122.3 | 121.7 | 118.2 |
| 45° | 117.0 | 111.8 | 112.4 | 110.0 | 107.7 | 108.9 | 104.8 | 106.0 | 100.7 | 99.6 | 96.1 |
| 47.5° | 94.9 | 93.2 | 89.7 | 88.5 | 88.5 | 86.7 | 85.0 | 84.4 | 82.1 | 79.2 | 74.5 |
| 50° | 78.0 | 71.6 | 70.4 | 68.7 | 67.5 | 67.5 | 65.2 | 61.7 | 62.3 | 59.4 | 54.7 |
| 52.5° | 61.1 | 55.9 | 53.6 | 53.0 | 50.7 | 49.5 | 46.6 | 44.3 | 42.5 | 41.3 | 38.4 |
| 55° | 47.1 | 42.5 | 39.6 | 39.6 | 36.1 | 36.1 | 32.0 | 30.3 | 27.9 | 25.6 | 23.9 |
| 57.5° | 35.5 | 33.2 | 30.3 | 27.9 | 26.8 | 23.9 | 21.5 | 18.6 | 16.9 | 13.4 | 11.1 |
| 60° | 26.8 | 24.5 | 21.5 | 19.8 | 18.6 | 15.7 | 12.8 | 10.5 | 6.4 | 5.2 | 4.7 |
| 62.5° | 19.8 | 17.5 | 14.6 | 13.4 | 12.2 | 9.9 | 7.0 | 3.5 | 1.8 | 1.8 | 1.8 |
| 65° | 14.6 | 11.6 | 9.3 | 8.1 | 7.0 | 5.2 | 2.3 | 1.2 | 0.6 | 0.6 | 0.6 |
| 67.5° | 9.9 | 7.6 | 5.2 | 4.7 | 3.5 | 1.8 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 70° | 6.4 | 4.7 | 2.3 | 1.8 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 72.5° | 4.1 | 2.3 | 1.2 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 2.3 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 1.2 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 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 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 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: P#

CATALOG NUMBER: LD4C08D010 EX4C089035 4LBSQLWWLI

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 |
| 2.5° | 473.9 | 469.8 | 472.2 | 466.9 | 469.3 | 473.3 | 470.4 | 471.6 |
| 5° | 457.6 | 455.3 | 452.4 | 444.8 | 450.6 | 455.3 | 453.0 | 452.4 |
| 7.5° | 440.2 | 432.0 | 436.1 | 433.7 | 432.6 | 437.2 | 432.0 | 437.8 |
| 10° | 422.1 | 416.3 | 415.7 | 411.6 | 411.6 | 415.1 | 415.7 | 412.2 |
| 12.5° | 395.3 | 392.4 | 392.4 | 391.8 | 391.2 | 394.7 | 395.3 | 393.6 |
| 15° | 376.1 | 374.9 | 372.0 | 371.5 | 368.0 | 373.2 | 373.8 | 373.2 |
| 17.5° | 352.8 | 353.4 | 350.5 | 350.5 | 352.8 | 354.6 | 349.9 | 354.6 |
| 20° | 337.1 | 334.2 | 333.0 | 327.8 | 330.7 | 333.6 | 333.6 | 334.2 |
| 22.5° | 314.4 | 309.7 | 311.5 | 308.6 | 306.8 | 310.9 | 310.9 | 312.6 |
| 25° | 288.8 | 288.8 | 289.9 | 288.2 | 289.4 | 291.7 | 289.9 | 294.0 |
| 27.5° | 264.3 | 266.6 | 266.6 | 264.3 | 265.5 | 272.5 | 275.4 | 270.7 |
| 30° | 241.6 | 242.2 | 243.9 | 242.8 | 246.3 | 248.6 | 248.0 | 251.5 |
| 32.5° | 216.0 | 218.9 | 220.1 | 218.3 | 219.5 | 224.7 | 221.8 | 221.2 |
| 35° | 196.2 | 191.0 | 190.4 | 191.0 | 193.3 | 194.5 | 193.3 | 197.4 |
| 37.5° | 167.7 | 165.9 | 163.6 | 164.2 | 165.9 | 168.3 | 169.4 | 172.3 |
| 40° | 140.3 | 138.0 | 138.0 | 137.4 | 135.6 | 142.1 | 142.1 | 142.1 |
| 42.5° | 116.4 | 115.8 | 113.0 | 113.0 | 115.3 | 117.0 | 115.8 | 119.9 |
| 45° | 95.5 | 93.2 | 91.4 | 91.4 | 93.2 | 93.2 | 94.9 | 94.3 |
| 47.5° | 75.1 | 72.8 | 73.4 | 71.6 | 73.4 | 75.7 | 72.8 | 73.4 |
| 50° | 56.5 | 56.5 | 55.3 | 56.5 | 55.9 | 56.5 | 55.3 | 54.1 |
| 52.5° | 38.4 | 43.7 | 44.3 | 41.9 | 36.7 | 32.0 | 29.1 | 31.4 |
| 55° | 22.1 | 19.8 | 19.8 | 19.2 | 18.0 | 17.5 | 15.7 | 17.5 |
| 57.5° | 11.1 | 9.9 | 9.9 | 9.9 | 9.3 | 8.7 | 7.6 | 7.6 |
| 60° | 4.7 | 4.1 | 4.1 | 3.5 | 2.9 | 2.3 | 1.8 | 2.3 |
| 62.5° | 1.8 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 65° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 67.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 70° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)