

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: **LD4C10D010 EX4C109030 4LBSQLWWH**

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: LD4C10D010 EX4C109030 4LBSQLWWH
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBSQLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

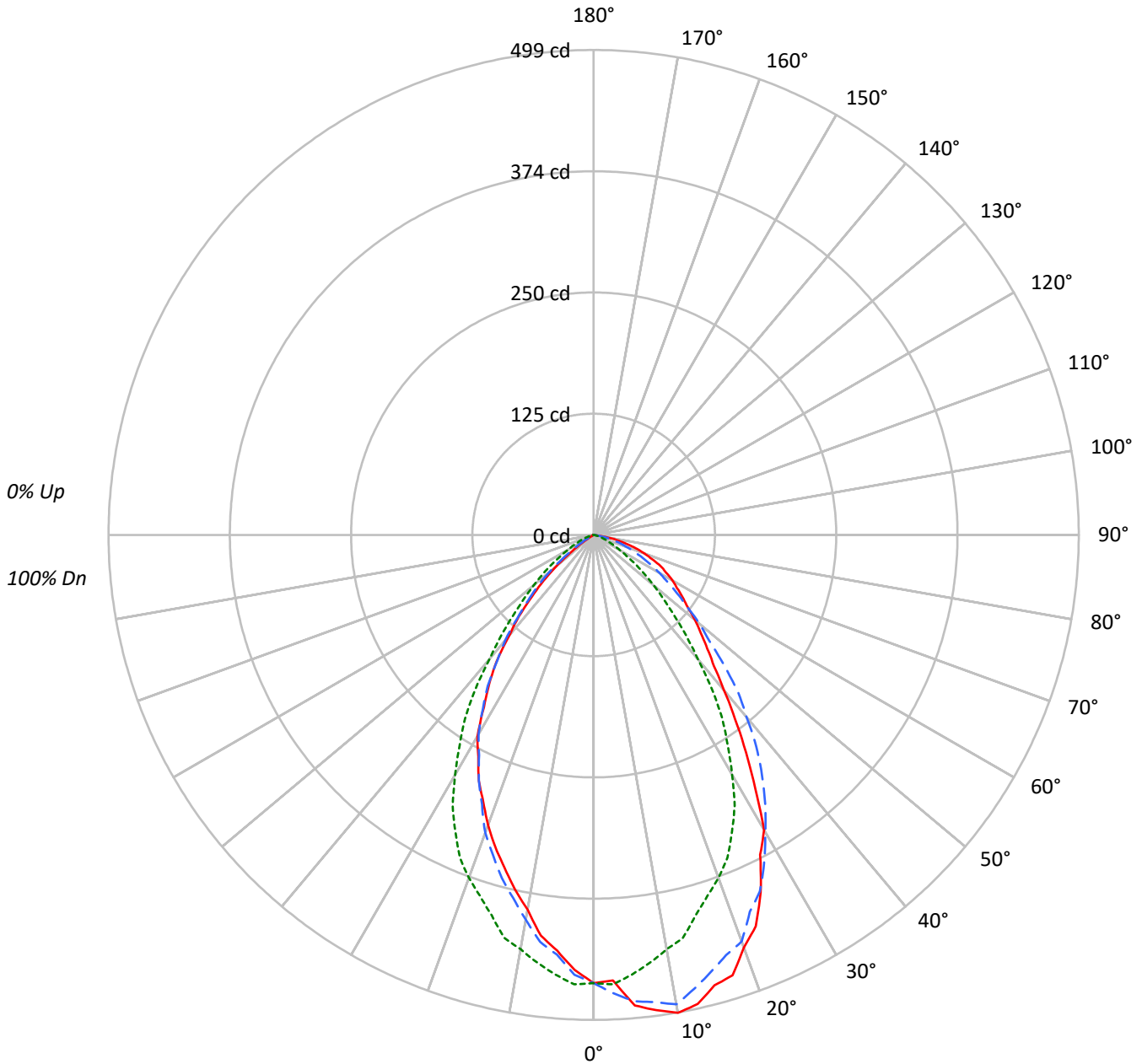
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 661.0 lumens
Efficiency: N/A
Efficacy: 67.4 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): 9.8
Input Voltage (V):
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: P#
CATALOG NUMBER: LD4C10D010 EX4C109030 4LBSQLWWH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD4C10D010 EX4C109030 4LBSQLWWH

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° | 44491 | 44491 | 44491 |
| 5° | 47073 | 43973 | 41610 |
| 10° | 48920 | 42414 | 38358 |
| 15° | 47938 | 40486 | 35402 |
| 20° | 46381 | 38547 | 32591 |
| 25° | 43267 | 35846 | 29725 |
| 30° | 39062 | 31731 | 26617 |
| 35° | 32169 | 27163 | 22074 |
| 40° | 26262 | 20959 | 16992 |
| 45° | 22556 | 15924 | 12226 |
| 50° | 20415 | 12114 | 7716 |
| 55° | 18791 | 8748 | 2793 |
| 60° | 18043 | 5982 | 425 |
| 65° | 17420 | 4041 | 137 |
| 70° | 15601 | 2793 | 169 |
| 75° | 12787 | 1454 | 0 |
| 80° | 8001 | 611 | 0 |
| 85° | 0 | 0 | 0 |



TEST NUMBER: P#

CATALOG NUMBER: LD4C10D010 EX4C109030 4LBSQLWWH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 43.2 | 6.5 |
| 10°-20° | 116.4 | 17.6 |
| 20°-30° | 155.4 | 23.5 |
| 30°-40° | 147.6 | 22.3 |
| 40°-50° | 102.0 | 15.4 |
| 50°-60° | 56.4 | 8.5 |
| 60°-70° | 28.0 | 4.2 |
| 70°-80° | 11.0 | 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° | 315.0 | 47.7 |
| 0°-40° | 462.6 | 70.0 |
| 0°-60° | 620.9 | 93.9 |
| 0°-90° | 661.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 661.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 461 | 461 | 461 | 461 | 461 | |
| 5° | 486 | 482 | 454 | 434 | 430 | 47 |
| 15° | 480 | 466 | 405 | 366 | 354 | 136 |
| 25° | 406 | 405 | 337 | 279 | 279 | 185 |
| 35° | 273 | 302 | 231 | 190 | 187 | 171 |
| 45° | 165 | 190 | 117 | 96 | 90 | 129 |
| 55° | 112 | 105 | 52 | 26 | 17 | 101 |
| 65° | 76 | 55 | 18 | 1 | 1 | 74 |
| 75° | 34 | 21 | 4 | 0 | 0 | 37 |
| 85° | 0 | 1 | 0 | 0 | 0 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#

CATALOG NUMBER: LD4C10D010 EX4C109030 4LBSQLWWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 |
| 2.5° | 458.9 | 471.6 | 472.7 | 471.6 | 473.3 | 472.7 | 475.5 | 472.7 | 476.1 | 471.1 | 472.2 |
| 5° | 486.0 | 481.0 | 491.5 | 486.0 | 486.0 | 485.5 | 483.8 | 483.2 | 485.5 | 478.3 | 481.6 |
| 7.5° | 493.2 | 500.4 | 509.8 | 498.2 | 498.7 | 498.7 | 495.4 | 494.3 | 494.3 | 481.0 | 484.9 |
| 10° | 499.3 | 494.9 | 499.8 | 495.4 | 499.3 | 498.7 | 500.9 | 493.8 | 498.7 | 491.0 | 490.4 |
| 12.5° | 494.3 | 492.6 | 499.3 | 492.1 | 489.9 | 490.4 | 487.7 | 486.0 | 487.7 | 478.8 | 478.3 |
| 15° | 479.9 | 481.6 | 491.5 | 483.8 | 482.7 | 481.6 | 478.3 | 472.7 | 477.2 | 465.0 | 465.6 |
| 17.5° | 475.0 | 472.2 | 473.9 | 467.2 | 468.9 | 467.8 | 467.2 | 462.3 | 461.1 | 453.4 | 453.4 |
| 20° | 451.7 | 457.8 | 457.8 | 453.4 | 453.4 | 452.9 | 445.7 | 450.1 | 445.1 | 442.9 | 445.1 |
| 22.5° | 435.7 | 436.3 | 436.3 | 432.4 | 432.9 | 430.7 | 426.9 | 424.1 | 426.9 | 424.1 | 419.7 |
| 25° | 406.4 | 407.5 | 414.1 | 407.0 | 405.8 | 408.1 | 404.7 | 403.1 | 402.5 | 395.9 | 404.7 |
| 27.5° | 371.0 | 382.1 | 381.5 | 378.7 | 382.1 | 377.6 | 376.0 | 376.5 | 378.2 | 377.6 | 379.9 |
| 30° | 350.6 | 352.2 | 353.9 | 351.7 | 352.2 | 350.6 | 350.6 | 351.1 | 355.5 | 353.9 | 353.3 |
| 32.5° | 309.1 | 314.6 | 319.0 | 319.0 | 319.6 | 321.3 | 320.7 | 332.3 | 335.1 | 329.6 | 328.4 |
| 35° | 273.1 | 277.0 | 280.9 | 281.4 | 288.6 | 289.2 | 289.7 | 293.0 | 300.8 | 302.5 | 301.9 |
| 37.5° | 238.9 | 242.7 | 243.8 | 248.8 | 252.7 | 256.5 | 261.0 | 265.4 | 272.0 | 277.6 | 274.8 |
| 40° | 208.5 | 210.1 | 212.9 | 215.1 | 222.8 | 222.8 | 225.0 | 233.9 | 241.1 | 245.5 | 244.9 |
| 42.5° | 183.0 | 183.6 | 185.8 | 189.7 | 196.8 | 195.2 | 196.8 | 202.9 | 213.4 | 214.0 | 220.1 |
| 45° | 165.3 | 164.8 | 166.4 | 167.0 | 171.4 | 173.6 | 174.7 | 179.1 | 188.0 | 189.1 | 189.7 |
| 47.5° | 149.3 | 148.7 | 151.5 | 152.6 | 154.3 | 156.5 | 156.5 | 157.0 | 160.3 | 163.1 | 160.9 |
| 50° | 136.0 | 136.0 | 136.0 | 137.1 | 139.9 | 139.3 | 139.9 | 142.1 | 143.8 | 142.6 | 142.1 |
| 52.5° | 121.6 | 123.8 | 125.5 | 126.1 | 126.6 | 126.6 | 127.2 | 126.1 | 125.5 | 123.8 | 120.5 |
| 55° | 111.7 | 113.9 | 113.9 | 113.9 | 113.9 | 116.1 | 113.4 | 113.9 | 113.9 | 109.5 | 105.1 |
| 57.5° | 101.7 | 104.0 | 105.6 | 103.4 | 105.6 | 103.4 | 102.3 | 101.7 | 100.6 | 96.2 | 89.6 |
| 60° | 93.5 | 94.6 | 94.0 | 93.5 | 94.6 | 92.9 | 91.8 | 89.6 | 88.5 | 82.4 | 78.0 |
| 62.5° | 84.1 | 84.6 | 85.2 | 84.1 | 82.9 | 82.4 | 80.2 | 76.9 | 74.6 | 69.7 | 65.8 |
| 65° | 76.3 | 74.6 | 74.1 | 73.5 | 72.4 | 70.8 | 69.1 | 65.2 | 63.6 | 59.2 | 55.3 |
| 67.5° | 64.7 | 64.1 | 65.2 | 63.6 | 60.8 | 60.8 | 59.2 | 55.8 | 52.0 | 49.2 | 45.3 |
| 70° | 55.3 | 54.7 | 53.6 | 52.0 | 51.4 | 49.2 | 49.2 | 45.3 | 44.2 | 39.3 | 35.9 |
| 72.5° | 45.3 | 45.3 | 43.7 | 42.0 | 40.4 | 39.3 | 38.7 | 35.9 | 34.3 | 31.5 | 28.7 |
| 75° | 34.3 | 34.3 | 33.7 | 32.1 | 31.0 | 29.9 | 29.3 | 27.1 | 25.4 | 22.7 | 21.0 |
| 77.5° | 24.3 | 24.3 | 22.1 | 21.0 | 21.6 | 20.4 | 19.3 | 18.8 | 18.2 | 16.6 | 14.4 |
| 80° | 14.4 | 13.8 | 12.2 | 12.7 | 12.2 | 12.2 | 11.6 | 11.0 | 9.9 | 8.8 | 7.7 |
| 82.5° | 3.9 | 4.4 | 4.4 | 4.4 | 5.0 | 3.9 | 3.9 | 3.9 | 4.4 | 4.4 | 2.8 |
| 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 | 1.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.7 | 1.7 | 1.7 | 1.1 |
| 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: LD4C10D010 EX4C109030 4LBSQLWWH

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 |
| 2.5° | 466.7 | 466.1 | 466.7 | 462.8 | 471.6 | 465.0 | 463.9 | 462.8 | 466.7 | 462.8 | 457.3 |
| 5° | 476.6 | 471.1 | 469.4 | 467.8 | 472.7 | 465.0 | 463.4 | 463.9 | 461.1 | 454.0 | 454.5 |
| 7.5° | 479.9 | 475.0 | 470.0 | 459.5 | 463.9 | 462.3 | 457.8 | 454.5 | 450.1 | 444.0 | 442.9 |
| 10° | 481.0 | 475.5 | 468.3 | 465.0 | 458.4 | 456.2 | 454.5 | 449.0 | 443.5 | 432.9 | 430.2 |
| 12.5° | 477.7 | 471.1 | 462.3 | 459.5 | 454.5 | 447.3 | 443.5 | 437.9 | 432.9 | 424.6 | 418.6 |
| 15° | 463.4 | 457.8 | 455.1 | 445.7 | 443.5 | 439.0 | 431.3 | 423.5 | 416.4 | 405.3 | 402.0 |
| 17.5° | 446.8 | 444.6 | 441.8 | 434.6 | 434.1 | 429.6 | 422.4 | 415.8 | 406.4 | 389.3 | 383.7 |
| 20° | 429.6 | 429.6 | 420.8 | 418.0 | 423.5 | 414.7 | 409.2 | 403.1 | 383.7 | 375.4 | 365.5 |
| 22.5° | 416.9 | 410.8 | 405.8 | 401.4 | 402.0 | 396.4 | 388.7 | 376.5 | 369.3 | 359.4 | 347.8 |
| 25° | 392.0 | 394.2 | 383.2 | 381.5 | 383.2 | 370.4 | 366.6 | 356.6 | 346.1 | 336.7 | 327.9 |
| 27.5° | 376.5 | 370.4 | 363.3 | 357.2 | 357.2 | 352.2 | 341.2 | 339.0 | 322.9 | 314.1 | 303.0 |
| 30° | 353.3 | 348.9 | 342.8 | 334.0 | 332.9 | 329.0 | 320.1 | 314.6 | 298.0 | 284.8 | 278.7 |
| 32.5° | 324.0 | 322.4 | 317.4 | 307.4 | 304.1 | 299.7 | 288.6 | 279.2 | 271.5 | 256.5 | 249.4 |
| 35° | 303.0 | 296.9 | 286.4 | 278.1 | 275.4 | 267.6 | 258.8 | 252.1 | 243.8 | 230.6 | 221.2 |
| 37.5° | 271.5 | 265.4 | 255.4 | 245.5 | 245.5 | 237.8 | 225.6 | 219.0 | 207.4 | 199.6 | 191.9 |
| 40° | 243.8 | 236.1 | 226.2 | 214.5 | 212.9 | 201.8 | 196.8 | 185.8 | 178.6 | 166.4 | 165.3 |
| 42.5° | 212.9 | 205.7 | 196.8 | 188.0 | 181.4 | 175.8 | 163.1 | 154.8 | 147.1 | 141.0 | 139.3 |
| 45° | 184.7 | 175.3 | 167.5 | 156.5 | 149.8 | 143.2 | 134.9 | 129.4 | 123.3 | 116.7 | 112.8 |
| 47.5° | 160.3 | 152.6 | 141.5 | 131.6 | 125.0 | 121.6 | 112.2 | 106.2 | 101.2 | 96.8 | 94.0 |
| 50° | 135.5 | 126.1 | 120.0 | 108.9 | 107.8 | 100.1 | 92.3 | 87.4 | 84.6 | 80.7 | 76.9 |
| 52.5° | 116.7 | 107.8 | 99.5 | 91.2 | 86.8 | 84.1 | 76.9 | 71.9 | 68.0 | 65.2 | 63.0 |
| 55° | 98.4 | 90.7 | 84.1 | 75.8 | 73.0 | 69.1 | 60.8 | 59.7 | 55.8 | 52.0 | 49.2 |
| 57.5° | 84.6 | 77.4 | 69.7 | 64.1 | 59.2 | 56.4 | 49.8 | 45.3 | 43.1 | 39.8 | 37.0 |
| 60° | 71.9 | 64.1 | 58.1 | 51.4 | 49.2 | 45.3 | 40.4 | 36.5 | 33.7 | 31.0 | 28.2 |
| 62.5° | 60.3 | 53.6 | 47.0 | 41.5 | 38.1 | 35.9 | 32.1 | 28.7 | 26.0 | 23.8 | 21.6 |
| 65° | 49.8 | 43.7 | 38.1 | 32.6 | 31.0 | 28.2 | 25.4 | 22.7 | 20.4 | 17.7 | 15.5 |
| 67.5° | 40.9 | 35.4 | 29.9 | 26.0 | 24.3 | 23.2 | 19.9 | 17.1 | 15.5 | 13.8 | 11.6 |
| 70° | 32.1 | 28.2 | 23.8 | 20.4 | 18.8 | 17.1 | 14.9 | 13.3 | 11.0 | 9.9 | 8.3 |
| 72.5° | 24.9 | 21.6 | 17.7 | 14.9 | 13.8 | 12.7 | 10.5 | 8.8 | 7.7 | 6.6 | 5.5 |
| 75° | 17.7 | 14.9 | 12.7 | 9.9 | 9.4 | 8.8 | 7.2 | 6.1 | 5.0 | 3.9 | 3.3 |
| 77.5° | 12.2 | 9.9 | 7.7 | 6.6 | 6.1 | 5.0 | 4.4 | 3.3 | 2.8 | 2.2 | 1.7 |
| 80° | 6.6 | 5.0 | 3.9 | 3.3 | 2.8 | 2.2 | 2.2 | 1.7 | 1.1 | 1.1 | 0.6 |
| 82.5° | 2.2 | 1.7 | 1.1 | 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: LD4C10D010 EX4C109030 4LBSQLWWH

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 |
| 2.5° | 460.6 | 454.5 | 456.2 | 456.2 | 455.1 | 455.1 | 454.0 | 452.3 | 452.9 | 449.5 | 442.3 |
| 5° | 455.6 | 447.9 | 446.8 | 447.9 | 443.5 | 442.3 | 440.1 | 443.5 | 433.5 | 437.4 | 432.9 |
| 7.5° | 441.2 | 434.1 | 432.4 | 436.3 | 430.7 | 427.4 | 426.9 | 431.3 | 422.4 | 418.0 | 413.0 |
| 10° | 425.2 | 422.4 | 417.5 | 414.7 | 413.0 | 413.6 | 409.2 | 403.6 | 402.0 | 400.9 | 396.4 |
| 12.5° | 410.8 | 404.7 | 400.3 | 397.0 | 395.9 | 395.9 | 388.7 | 387.6 | 382.6 | 381.5 | 374.9 |
| 15° | 393.7 | 386.5 | 383.7 | 379.3 | 375.4 | 377.6 | 369.3 | 367.1 | 365.5 | 358.3 | 359.4 |
| 17.5° | 378.7 | 371.0 | 364.4 | 361.6 | 358.3 | 355.0 | 347.2 | 348.9 | 345.0 | 345.0 | 335.1 |
| 20° | 359.4 | 351.1 | 346.1 | 340.6 | 340.6 | 336.2 | 330.7 | 331.2 | 326.2 | 321.3 | 312.4 |
| 22.5° | 339.0 | 330.1 | 324.0 | 321.8 | 316.3 | 315.2 | 308.5 | 306.9 | 300.2 | 300.8 | 293.0 |
| 25° | 317.4 | 308.5 | 300.2 | 300.8 | 295.8 | 293.6 | 289.7 | 282.0 | 279.2 | 275.9 | 273.7 |
| 27.5° | 291.9 | 285.9 | 278.7 | 278.1 | 268.7 | 269.3 | 264.3 | 262.1 | 255.4 | 257.1 | 252.1 |
| 30° | 268.7 | 259.9 | 253.2 | 251.6 | 247.7 | 246.6 | 238.9 | 235.5 | 236.7 | 232.2 | 229.5 |
| 32.5° | 244.9 | 231.7 | 228.9 | 225.6 | 223.4 | 220.6 | 215.1 | 217.3 | 212.3 | 213.4 | 209.0 |
| 35° | 213.4 | 207.9 | 200.7 | 200.7 | 198.5 | 196.3 | 192.4 | 194.6 | 189.7 | 187.4 | 183.0 |
| 37.5° | 186.9 | 181.9 | 174.7 | 176.9 | 173.1 | 169.7 | 166.4 | 167.0 | 162.6 | 162.0 | 157.6 |
| 40° | 158.1 | 155.4 | 150.4 | 150.4 | 147.6 | 147.6 | 146.0 | 144.3 | 141.5 | 138.2 | 133.2 |
| 42.5° | 131.0 | 128.8 | 126.6 | 127.2 | 123.3 | 126.6 | 122.2 | 125.0 | 116.1 | 115.6 | 112.2 |
| 45° | 111.1 | 106.2 | 106.7 | 104.5 | 102.3 | 103.4 | 99.5 | 100.6 | 95.7 | 94.6 | 91.2 |
| 47.5° | 90.1 | 88.5 | 85.2 | 84.1 | 84.1 | 82.4 | 80.7 | 80.2 | 78.0 | 75.2 | 70.8 |
| 50° | 74.1 | 68.0 | 66.9 | 65.2 | 64.1 | 64.1 | 61.9 | 58.6 | 59.2 | 56.4 | 52.0 |
| 52.5° | 58.1 | 53.1 | 50.9 | 50.3 | 48.1 | 47.0 | 44.2 | 42.0 | 40.4 | 39.3 | 36.5 |
| 55° | 44.8 | 40.4 | 37.6 | 37.6 | 34.3 | 34.3 | 30.4 | 28.7 | 26.5 | 24.3 | 22.7 |
| 57.5° | 33.7 | 31.5 | 28.7 | 26.5 | 25.4 | 22.7 | 20.4 | 17.7 | 16.0 | 12.7 | 10.5 |
| 60° | 25.4 | 23.2 | 20.4 | 18.8 | 17.7 | 14.9 | 12.2 | 9.9 | 6.1 | 5.0 | 4.4 |
| 62.5° | 18.8 | 16.6 | 13.8 | 12.7 | 11.6 | 9.4 | 6.6 | 3.3 | 1.7 | 1.7 | 1.7 |
| 65° | 13.8 | 11.0 | 8.8 | 7.7 | 6.6 | 5.0 | 2.2 | 1.1 | 0.6 | 0.6 | 0.6 |
| 67.5° | 9.4 | 7.2 | 5.0 | 4.4 | 3.3 | 1.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 70° | 6.1 | 4.4 | 2.2 | 1.7 | 1.1 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 72.5° | 3.9 | 2.2 | 1.1 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 2.2 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 1.1 | 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: LD4C10D010 EX4C109030 4LBSQLWWH

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 | 461.1 |
| 2.5° | 450.1 | 446.2 | 448.4 | 443.5 | 445.7 | 449.5 | 446.8 | 447.9 |
| 5° | 434.6 | 432.4 | 429.6 | 422.4 | 428.0 | 432.4 | 430.2 | 429.6 |
| 7.5° | 418.0 | 410.3 | 414.1 | 411.9 | 410.8 | 415.2 | 410.3 | 415.8 |
| 10° | 400.9 | 395.3 | 394.8 | 390.9 | 390.9 | 394.2 | 394.8 | 391.5 |
| 12.5° | 375.4 | 372.7 | 372.7 | 372.1 | 371.6 | 374.9 | 375.4 | 373.8 |
| 15° | 357.2 | 356.1 | 353.3 | 352.8 | 349.5 | 354.4 | 355.0 | 354.4 |
| 17.5° | 335.1 | 335.6 | 332.9 | 332.9 | 335.1 | 336.7 | 332.3 | 336.7 |
| 20° | 320.1 | 317.4 | 316.3 | 311.3 | 314.1 | 316.8 | 316.8 | 317.4 |
| 22.5° | 298.6 | 294.2 | 295.8 | 293.0 | 291.4 | 295.3 | 295.3 | 296.9 |
| 25° | 274.2 | 274.2 | 275.4 | 273.7 | 274.8 | 277.0 | 275.4 | 279.2 |
| 27.5° | 251.0 | 253.2 | 253.2 | 251.0 | 252.1 | 258.8 | 261.5 | 257.1 |
| 30° | 229.5 | 230.0 | 231.7 | 230.6 | 233.9 | 236.1 | 235.5 | 238.9 |
| 32.5° | 205.1 | 207.9 | 209.0 | 207.4 | 208.5 | 213.4 | 210.7 | 210.1 |
| 35° | 186.3 | 181.4 | 180.8 | 181.4 | 183.6 | 184.7 | 183.6 | 187.4 |
| 37.5° | 159.2 | 157.6 | 155.4 | 155.9 | 157.6 | 159.8 | 160.9 | 163.7 |
| 40° | 133.2 | 131.0 | 131.0 | 130.5 | 128.8 | 134.9 | 134.9 | 134.9 |
| 42.5° | 110.6 | 110.0 | 107.3 | 107.3 | 109.5 | 111.1 | 110.0 | 113.9 |
| 45° | 90.7 | 88.5 | 86.8 | 86.8 | 88.5 | 88.5 | 90.1 | 89.6 |
| 47.5° | 71.3 | 69.1 | 69.7 | 68.0 | 69.7 | 71.9 | 69.1 | 69.7 |
| 50° | 53.6 | 53.6 | 52.5 | 53.6 | 53.1 | 53.6 | 52.5 | 51.4 |
| 52.5° | 36.5 | 41.5 | 42.0 | 39.8 | 34.8 | 30.4 | 27.6 | 29.9 |
| 55° | 21.0 | 18.8 | 18.8 | 18.2 | 17.1 | 16.6 | 14.9 | 16.6 |
| 57.5° | 10.5 | 9.4 | 9.4 | 9.4 | 8.8 | 8.3 | 7.2 | 7.2 |
| 60° | 4.4 | 3.9 | 3.9 | 3.3 | 2.8 | 2.2 | 1.7 | 2.2 |
| 62.5° | 1.7 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 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)