

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: **LD4C05D010 EX4C059027 4LBSQLWWH**

Issue Date: 2/18/2022



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: LD4C05D010 EX4C059027 4LBSQLWWH
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 4LBSQLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

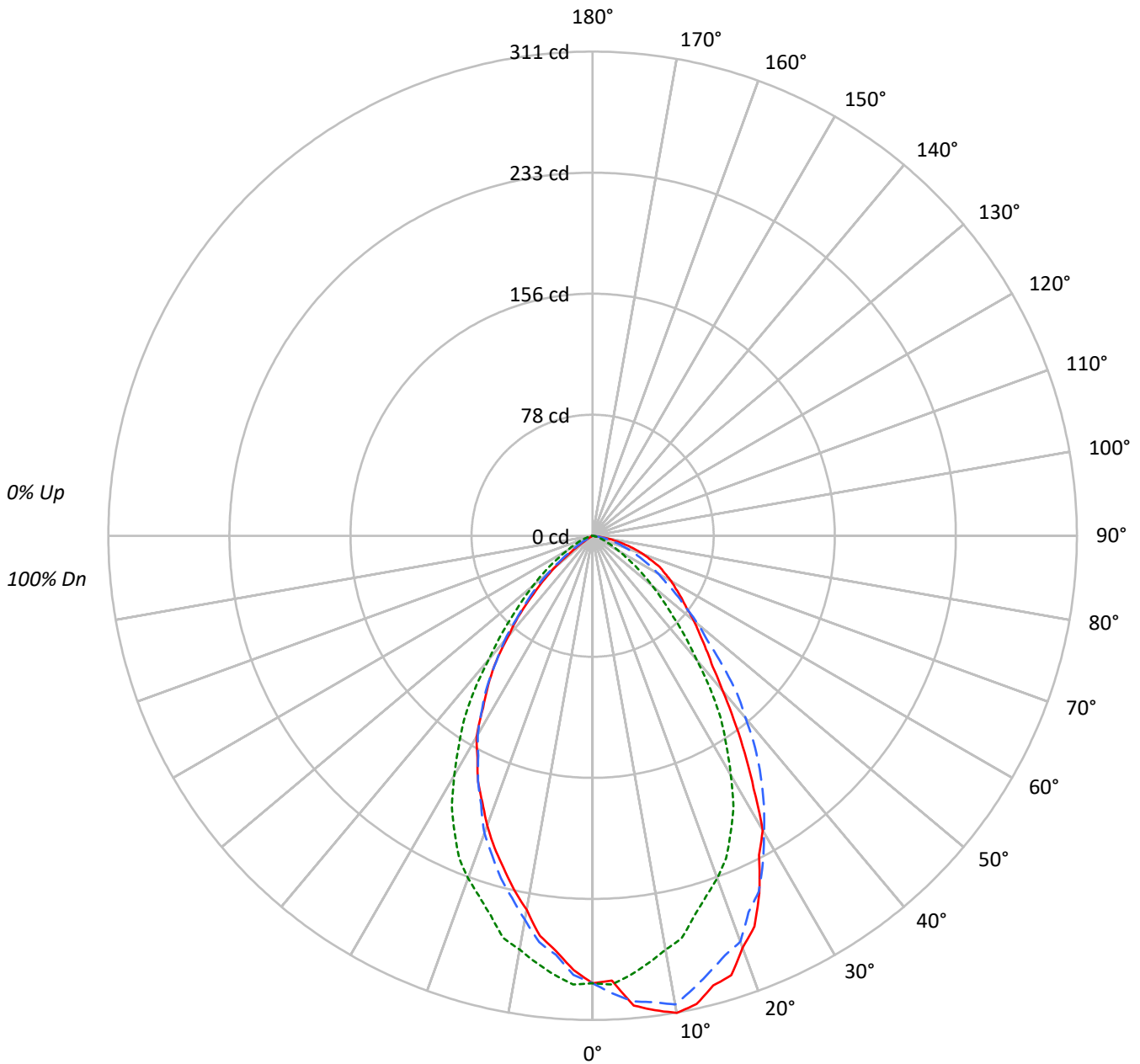
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 412.0 lumens
Efficiency: N/A
Efficacy: 57.2 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): 7.2
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: LD4C05D010 EX4C059027 4LBSQLWWH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD4C05D010 EX4C059027 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° | 27731 | 27731 | 27731 |
| 5° | 29338 | 27411 | 25938 |
| 10° | 30491 | 26444 | 23906 |
| 15° | 29878 | 25233 | 22066 |
| 20° | 28915 | 24027 | 20310 |
| 25° | 26967 | 22347 | 18525 |
| 30° | 24344 | 19776 | 16590 |
| 35° | 20048 | 16927 | 13758 |
| 40° | 16362 | 13062 | 10593 |
| 45° | 14055 | 9920 | 7614 |
| 50° | 12729 | 7551 | 4819 |
| 55° | 11708 | 5450 | 1733 |
| 60° | 11231 | 3724 | 270 |
| 65° | 10868 | 2511 | 91 |
| 70° | 9733 | 1749 | 113 |
| 75° | 7978 | 895 | 0 |
| 80° | 5001 | 389 | 0 |
| 85° | 0 | 0 | 0 |



TEST NUMBER: P#

CATALOG NUMBER: LD4C05D010 EX4C059027 4LBSQLWWH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 26.9 | 6.5 |
| 10°-20° | 72.6 | 17.6 |
| 20°-30° | 96.9 | 23.5 |
| 30°-40° | 92.0 | 22.3 |
| 40°-50° | 63.6 | 15.4 |
| 50°-60° | 35.1 | 8.5 |
| 60°-70° | 17.5 | 4.2 |
| 70°-80° | 6.9 | 1.7 |
| 80°-90° | 0.7 | 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° | 196.4 | 47.7 |
| 0°-40° | 288.3 | 70.0 |
| 0°-60° | 387.0 | 93.9 |
| 0°-90° | 412.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 412.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 287 | 287 | 287 | 287 | 287 | |
| 5° | 303 | 300 | 283 | 270 | 268 | 29 |
| 15° | 299 | 290 | 253 | 228 | 221 | 85 |
| 25° | 253 | 252 | 210 | 174 | 174 | 115 |
| 35° | 170 | 188 | 144 | 118 | 117 | 107 |
| 45° | 103 | 118 | 73 | 60 | 56 | 80 |
| 55° | 70 | 66 | 32 | 16 | 10 | 63 |
| 65° | 48 | 34 | 11 | 0 | 0 | 46 |
| 75° | 21 | 13 | 2 | 0 | 0 | 23 |
| 85° | 0 | 0 | 0 | 0 | 0 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#

CATALOG NUMBER: LD4C05D010 EX4C059027 4LBSQLWWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 |
| 2.5° | 286.0 | 294.0 | 294.7 | 294.0 | 295.0 | 294.7 | 296.4 | 294.7 | 296.7 | 293.6 | 294.3 |
| 5° | 302.9 | 299.8 | 306.4 | 302.9 | 302.9 | 302.6 | 301.6 | 301.2 | 302.6 | 298.1 | 300.2 |
| 7.5° | 307.4 | 311.9 | 317.8 | 310.5 | 310.9 | 310.9 | 308.8 | 308.1 | 308.1 | 299.8 | 302.2 |
| 10° | 311.2 | 308.4 | 311.5 | 308.8 | 311.2 | 310.9 | 312.2 | 307.8 | 310.9 | 306.0 | 305.7 |
| 12.5° | 308.1 | 307.1 | 311.2 | 306.7 | 305.4 | 305.7 | 304.0 | 302.9 | 304.0 | 298.5 | 298.1 |
| 15° | 299.1 | 300.2 | 306.4 | 301.6 | 300.9 | 300.2 | 298.1 | 294.7 | 297.4 | 289.8 | 290.2 |
| 17.5° | 296.0 | 294.3 | 295.4 | 291.2 | 292.3 | 291.6 | 291.2 | 288.1 | 287.4 | 282.6 | 282.6 |
| 20° | 281.6 | 285.4 | 285.4 | 282.6 | 282.6 | 282.3 | 277.8 | 280.5 | 277.4 | 276.1 | 277.4 |
| 22.5° | 271.6 | 271.9 | 271.9 | 269.5 | 269.9 | 268.5 | 266.1 | 264.3 | 266.1 | 264.3 | 261.6 |
| 25° | 253.3 | 254.0 | 258.1 | 253.7 | 253.0 | 254.3 | 252.3 | 251.2 | 250.9 | 246.8 | 252.3 |
| 27.5° | 231.3 | 238.1 | 237.8 | 236.1 | 238.1 | 235.4 | 234.4 | 234.7 | 235.7 | 235.4 | 236.8 |
| 30° | 218.5 | 219.5 | 220.6 | 219.2 | 219.5 | 218.5 | 218.5 | 218.8 | 221.6 | 220.6 | 220.2 |
| 32.5° | 192.6 | 196.1 | 198.9 | 198.9 | 199.2 | 200.2 | 199.9 | 207.1 | 208.9 | 205.4 | 204.7 |
| 35° | 170.2 | 172.7 | 175.1 | 175.4 | 179.9 | 180.2 | 180.6 | 182.7 | 187.5 | 188.5 | 188.2 |
| 37.5° | 148.9 | 151.3 | 152.0 | 155.1 | 157.5 | 159.9 | 162.7 | 165.4 | 169.6 | 173.0 | 171.3 |
| 40° | 129.9 | 131.0 | 132.7 | 134.1 | 138.9 | 138.9 | 140.3 | 145.8 | 150.3 | 153.0 | 152.7 |
| 42.5° | 114.1 | 114.4 | 115.8 | 118.2 | 122.7 | 121.7 | 122.7 | 126.5 | 133.0 | 133.4 | 137.2 |
| 45° | 103.0 | 102.7 | 103.7 | 104.1 | 106.8 | 108.2 | 108.9 | 111.7 | 117.2 | 117.9 | 118.2 |
| 47.5° | 93.1 | 92.7 | 94.4 | 95.1 | 96.1 | 97.5 | 97.5 | 97.9 | 99.9 | 101.7 | 100.3 |
| 50° | 84.8 | 84.8 | 84.8 | 85.5 | 87.2 | 86.8 | 87.2 | 88.6 | 89.6 | 88.9 | 88.6 |
| 52.5° | 75.8 | 77.2 | 78.2 | 78.6 | 78.9 | 78.9 | 79.3 | 78.6 | 78.2 | 77.2 | 75.1 |
| 55° | 69.6 | 71.0 | 71.0 | 71.0 | 71.0 | 72.4 | 70.7 | 71.0 | 71.0 | 68.2 | 65.5 |
| 57.5° | 63.4 | 64.8 | 65.8 | 64.4 | 65.8 | 64.4 | 63.8 | 63.4 | 62.7 | 60.0 | 55.8 |
| 60° | 58.2 | 58.9 | 58.6 | 58.2 | 58.9 | 57.9 | 57.2 | 55.8 | 55.1 | 51.3 | 48.6 |
| 62.5° | 52.4 | 52.7 | 53.1 | 52.4 | 51.7 | 51.3 | 50.0 | 47.9 | 46.5 | 43.4 | 41.0 |
| 65° | 47.6 | 46.5 | 46.2 | 45.8 | 45.2 | 44.1 | 43.1 | 40.7 | 39.6 | 36.9 | 34.5 |
| 67.5° | 40.3 | 40.0 | 40.7 | 39.6 | 37.9 | 37.9 | 36.9 | 34.8 | 32.4 | 30.7 | 28.3 |
| 70° | 34.5 | 34.1 | 33.4 | 32.4 | 32.1 | 30.7 | 30.7 | 28.3 | 27.6 | 24.5 | 22.4 |
| 72.5° | 28.3 | 28.3 | 27.2 | 26.2 | 25.2 | 24.5 | 24.1 | 22.4 | 21.4 | 19.6 | 17.9 |
| 75° | 21.4 | 21.4 | 21.0 | 20.0 | 19.3 | 18.6 | 18.3 | 16.9 | 15.9 | 14.1 | 13.1 |
| 77.5° | 15.2 | 15.2 | 13.8 | 13.1 | 13.4 | 12.7 | 12.1 | 11.7 | 11.4 | 10.3 | 9.0 |
| 80° | 9.0 | 8.6 | 7.6 | 7.9 | 7.6 | 7.6 | 7.2 | 6.9 | 6.2 | 5.5 | 4.8 |
| 82.5° | 2.4 | 2.8 | 2.8 | 2.8 | 3.1 | 2.4 | 2.4 | 2.4 | 2.8 | 2.8 | 1.7 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.4 |
| 87.5° | 0.4 | 0.7 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.0 | 1.0 | 1.0 | 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: P#

CATALOG NUMBER: LD4C05D010 EX4C059027 4LBSQLWWH

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 |
| 2.5° | 290.9 | 290.5 | 290.9 | 288.5 | 294.0 | 289.8 | 289.1 | 288.5 | 290.9 | 288.5 | 285.0 |
| 5° | 297.1 | 293.6 | 292.6 | 291.6 | 294.7 | 289.8 | 288.8 | 289.1 | 287.4 | 283.0 | 283.3 |
| 7.5° | 299.1 | 296.0 | 292.9 | 286.4 | 289.1 | 288.1 | 285.4 | 283.3 | 280.5 | 276.7 | 276.1 |
| 10° | 299.8 | 296.4 | 291.9 | 289.8 | 285.7 | 284.3 | 283.3 | 279.8 | 276.4 | 269.9 | 268.1 |
| 12.5° | 297.8 | 293.6 | 288.1 | 286.4 | 283.3 | 278.8 | 276.4 | 272.9 | 269.9 | 264.7 | 260.9 |
| 15° | 288.8 | 285.4 | 283.6 | 277.8 | 276.4 | 273.6 | 268.8 | 264.0 | 259.5 | 252.6 | 250.5 |
| 17.5° | 278.5 | 277.1 | 275.4 | 270.9 | 270.5 | 267.8 | 263.3 | 259.2 | 253.3 | 242.6 | 239.2 |
| 20° | 267.8 | 267.8 | 262.3 | 260.6 | 264.0 | 258.5 | 255.0 | 251.2 | 239.2 | 234.0 | 227.8 |
| 22.5° | 259.9 | 256.1 | 253.0 | 250.2 | 250.5 | 247.1 | 242.3 | 234.7 | 230.2 | 224.0 | 216.8 |
| 25° | 244.3 | 245.7 | 238.8 | 237.8 | 238.8 | 230.9 | 228.5 | 222.3 | 215.7 | 209.9 | 204.4 |
| 27.5° | 234.7 | 230.9 | 226.4 | 222.6 | 222.6 | 219.5 | 212.6 | 211.3 | 201.3 | 195.8 | 188.9 |
| 30° | 220.2 | 217.5 | 213.7 | 208.2 | 207.5 | 205.1 | 199.5 | 196.1 | 185.8 | 177.5 | 173.7 |
| 32.5° | 202.0 | 200.9 | 197.8 | 191.6 | 189.6 | 186.8 | 179.9 | 174.0 | 169.2 | 159.9 | 155.4 |
| 35° | 188.9 | 185.1 | 178.5 | 173.4 | 171.6 | 166.8 | 161.3 | 157.2 | 152.0 | 143.7 | 137.9 |
| 37.5° | 169.2 | 165.4 | 159.2 | 153.0 | 153.0 | 148.2 | 140.6 | 136.5 | 129.2 | 124.4 | 119.6 |
| 40° | 152.0 | 147.2 | 141.0 | 133.7 | 132.7 | 125.8 | 122.7 | 115.8 | 111.3 | 103.7 | 103.0 |
| 42.5° | 132.7 | 128.2 | 122.7 | 117.2 | 113.0 | 109.6 | 101.7 | 96.5 | 91.7 | 87.9 | 86.8 |
| 45° | 115.1 | 109.2 | 104.4 | 97.5 | 93.4 | 89.3 | 84.1 | 80.6 | 76.9 | 72.7 | 70.3 |
| 47.5° | 99.9 | 95.1 | 88.2 | 82.0 | 77.9 | 75.8 | 70.0 | 66.2 | 63.1 | 60.3 | 58.6 |
| 50° | 84.4 | 78.6 | 74.8 | 67.9 | 67.2 | 62.4 | 57.6 | 54.5 | 52.7 | 50.3 | 47.9 |
| 52.5° | 72.7 | 67.2 | 62.0 | 56.9 | 54.1 | 52.4 | 47.9 | 44.8 | 42.4 | 40.7 | 39.3 |
| 55° | 61.3 | 56.5 | 52.4 | 47.2 | 45.5 | 43.1 | 37.9 | 37.2 | 34.8 | 32.4 | 30.7 |
| 57.5° | 52.7 | 48.2 | 43.4 | 40.0 | 36.9 | 35.2 | 31.0 | 28.3 | 26.9 | 24.8 | 23.1 |
| 60° | 44.8 | 40.0 | 36.2 | 32.1 | 30.7 | 28.3 | 25.2 | 22.8 | 21.0 | 19.3 | 17.6 |
| 62.5° | 37.6 | 33.4 | 29.3 | 25.8 | 23.8 | 22.4 | 20.0 | 17.9 | 16.2 | 14.8 | 13.4 |
| 65° | 31.0 | 27.2 | 23.8 | 20.3 | 19.3 | 17.6 | 15.9 | 14.1 | 12.7 | 11.0 | 9.7 |
| 67.5° | 25.5 | 22.1 | 18.6 | 16.2 | 15.2 | 14.5 | 12.4 | 10.7 | 9.7 | 8.6 | 7.2 |
| 70° | 20.0 | 17.6 | 14.8 | 12.7 | 11.7 | 10.7 | 9.3 | 8.3 | 6.9 | 6.2 | 5.2 |
| 72.5° | 15.5 | 13.4 | 11.0 | 9.3 | 8.6 | 7.9 | 6.5 | 5.5 | 4.8 | 4.1 | 3.4 |
| 75° | 11.0 | 9.3 | 7.9 | 6.2 | 5.9 | 5.5 | 4.5 | 3.8 | 3.1 | 2.4 | 2.1 |
| 77.5° | 7.6 | 6.2 | 4.8 | 4.1 | 3.8 | 3.1 | 2.8 | 2.1 | 1.7 | 1.4 | 1.0 |
| 80° | 4.1 | 3.1 | 2.4 | 2.1 | 1.7 | 1.4 | 1.4 | 1.0 | 0.7 | 0.7 | 0.4 |
| 82.5° | 1.4 | 1.0 | 0.7 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.0 | 0.4 |
| 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° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 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: LD4C05D010 EX4C059027 4LBSQLWWH

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 |
| 2.5° | 287.1 | 283.3 | 284.3 | 284.3 | 283.6 | 283.6 | 283.0 | 281.9 | 282.3 | 280.2 | 275.7 |
| 5° | 284.0 | 279.2 | 278.5 | 279.2 | 276.4 | 275.7 | 274.3 | 276.4 | 270.2 | 272.6 | 269.9 |
| 7.5° | 275.0 | 270.5 | 269.5 | 271.9 | 268.5 | 266.4 | 266.1 | 268.8 | 263.3 | 260.6 | 257.4 |
| 10° | 265.0 | 263.3 | 260.2 | 258.5 | 257.4 | 257.8 | 255.0 | 251.6 | 250.5 | 249.9 | 247.1 |
| 12.5° | 256.1 | 252.3 | 249.5 | 247.5 | 246.8 | 246.8 | 242.3 | 241.6 | 238.5 | 237.8 | 233.7 |
| 15° | 245.4 | 240.9 | 239.2 | 236.4 | 234.0 | 235.4 | 230.2 | 228.8 | 227.8 | 223.3 | 224.0 |
| 17.5° | 236.1 | 231.3 | 227.1 | 225.4 | 223.3 | 221.3 | 216.4 | 217.5 | 215.0 | 215.0 | 208.9 |
| 20° | 224.0 | 218.8 | 215.7 | 212.3 | 212.3 | 209.5 | 206.1 | 206.4 | 203.3 | 200.2 | 194.7 |
| 22.5° | 211.3 | 205.7 | 202.0 | 200.6 | 197.1 | 196.4 | 192.3 | 191.3 | 187.1 | 187.5 | 182.7 |
| 25° | 197.8 | 192.3 | 187.1 | 187.5 | 184.4 | 183.0 | 180.6 | 175.8 | 174.0 | 172.0 | 170.6 |
| 27.5° | 182.0 | 178.2 | 173.7 | 173.4 | 167.5 | 167.8 | 164.7 | 163.4 | 159.2 | 160.3 | 157.2 |
| 30° | 167.5 | 162.0 | 157.8 | 156.8 | 154.4 | 153.7 | 148.9 | 146.8 | 147.5 | 144.7 | 143.0 |
| 32.5° | 152.7 | 144.4 | 142.7 | 140.6 | 139.2 | 137.5 | 134.1 | 135.4 | 132.3 | 133.0 | 130.3 |
| 35° | 133.0 | 129.6 | 125.1 | 125.1 | 123.7 | 122.3 | 119.9 | 121.3 | 118.2 | 116.8 | 114.1 |
| 37.5° | 116.5 | 113.4 | 108.9 | 110.3 | 107.9 | 105.8 | 103.7 | 104.1 | 101.3 | 101.0 | 98.2 |
| 40° | 98.6 | 96.8 | 93.7 | 93.7 | 92.0 | 92.0 | 91.0 | 90.0 | 88.2 | 86.2 | 83.1 |
| 42.5° | 81.7 | 80.3 | 78.9 | 79.3 | 76.9 | 78.9 | 76.2 | 77.9 | 72.4 | 72.0 | 70.0 |
| 45° | 69.3 | 66.2 | 66.5 | 65.1 | 63.8 | 64.4 | 62.0 | 62.7 | 59.6 | 58.9 | 56.9 |
| 47.5° | 56.2 | 55.1 | 53.1 | 52.4 | 52.4 | 51.3 | 50.3 | 50.0 | 48.6 | 46.9 | 44.1 |
| 50° | 46.2 | 42.4 | 41.7 | 40.7 | 40.0 | 40.0 | 38.6 | 36.5 | 36.9 | 35.2 | 32.4 |
| 52.5° | 36.2 | 33.1 | 31.7 | 31.4 | 30.0 | 29.3 | 27.6 | 26.2 | 25.2 | 24.5 | 22.8 |
| 55° | 27.9 | 25.2 | 23.4 | 23.4 | 21.4 | 21.4 | 19.0 | 17.9 | 16.5 | 15.2 | 14.1 |
| 57.5° | 21.0 | 19.6 | 17.9 | 16.5 | 15.9 | 14.1 | 12.7 | 11.0 | 10.0 | 7.9 | 6.5 |
| 60° | 15.9 | 14.5 | 12.7 | 11.7 | 11.0 | 9.3 | 7.6 | 6.2 | 3.8 | 3.1 | 2.8 |
| 62.5° | 11.7 | 10.3 | 8.6 | 7.9 | 7.2 | 5.9 | 4.1 | 2.1 | 1.0 | 1.0 | 1.0 |
| 65° | 8.6 | 6.9 | 5.5 | 4.8 | 4.1 | 3.1 | 1.4 | 0.7 | 0.4 | 0.4 | 0.4 |
| 67.5° | 5.9 | 4.5 | 3.1 | 2.8 | 2.1 | 1.0 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 70° | 3.8 | 2.8 | 1.4 | 1.0 | 0.7 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 72.5° | 2.4 | 1.4 | 0.7 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 1.4 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.7 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.4 | 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 | 0.4 | 0.4 | 0.4 |
| 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: LD4C05D010 EX4C059027 4LBSQLWWH

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 | 287.4 |
| 2.5° | 280.5 | 278.1 | 279.5 | 276.4 | 277.8 | 280.2 | 278.5 | 279.2 |
| 5° | 270.9 | 269.5 | 267.8 | 263.3 | 266.7 | 269.5 | 268.1 | 267.8 |
| 7.5° | 260.6 | 255.7 | 258.1 | 256.8 | 256.1 | 258.8 | 255.7 | 259.2 |
| 10° | 249.9 | 246.4 | 246.1 | 243.7 | 243.7 | 245.7 | 246.1 | 244.0 |
| 12.5° | 234.0 | 232.3 | 232.3 | 231.9 | 231.6 | 233.7 | 234.0 | 233.0 |
| 15° | 222.6 | 221.9 | 220.2 | 219.9 | 217.8 | 220.9 | 221.3 | 220.9 |
| 17.5° | 208.9 | 209.2 | 207.5 | 207.5 | 208.9 | 209.9 | 207.1 | 209.9 |
| 20° | 199.5 | 197.8 | 197.1 | 194.0 | 195.8 | 197.5 | 197.5 | 197.8 |
| 22.5° | 186.1 | 183.3 | 184.4 | 182.7 | 181.6 | 184.0 | 184.0 | 185.1 |
| 25° | 170.9 | 170.9 | 171.6 | 170.6 | 171.3 | 172.7 | 171.6 | 174.0 |
| 27.5° | 156.5 | 157.8 | 157.8 | 156.5 | 157.2 | 161.3 | 163.0 | 160.3 |
| 30° | 143.0 | 143.4 | 144.4 | 143.7 | 145.8 | 147.2 | 146.8 | 148.9 |
| 32.5° | 127.9 | 129.6 | 130.3 | 129.2 | 129.9 | 133.0 | 131.3 | 131.0 |
| 35° | 116.1 | 113.0 | 112.7 | 113.0 | 114.4 | 115.1 | 114.4 | 116.8 |
| 37.5° | 99.3 | 98.2 | 96.8 | 97.2 | 98.2 | 99.6 | 100.3 | 102.0 |
| 40° | 83.1 | 81.7 | 81.7 | 81.3 | 80.3 | 84.1 | 84.1 | 84.1 |
| 42.5° | 68.9 | 68.6 | 66.9 | 66.9 | 68.2 | 69.3 | 68.6 | 71.0 |
| 45° | 56.5 | 55.1 | 54.1 | 54.1 | 55.1 | 55.1 | 56.2 | 55.8 |
| 47.5° | 44.5 | 43.1 | 43.4 | 42.4 | 43.4 | 44.8 | 43.1 | 43.4 |
| 50° | 33.4 | 33.4 | 32.7 | 33.4 | 33.1 | 33.4 | 32.7 | 32.1 |
| 52.5° | 22.8 | 25.8 | 26.2 | 24.8 | 21.7 | 19.0 | 17.2 | 18.6 |
| 55° | 13.1 | 11.7 | 11.7 | 11.4 | 10.7 | 10.3 | 9.3 | 10.3 |
| 57.5° | 6.5 | 5.9 | 5.9 | 5.9 | 5.5 | 5.2 | 4.5 | 4.5 |
| 60° | 2.8 | 2.4 | 2.4 | 2.1 | 1.7 | 1.4 | 1.0 | 1.4 |
| 62.5° | 1.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 65° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 67.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 70° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 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)