

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: **LD4C100D010 EX4C1009035 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: LD4C100D010 EX4C1009035 4LBSQLWWLI
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBSQLWW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

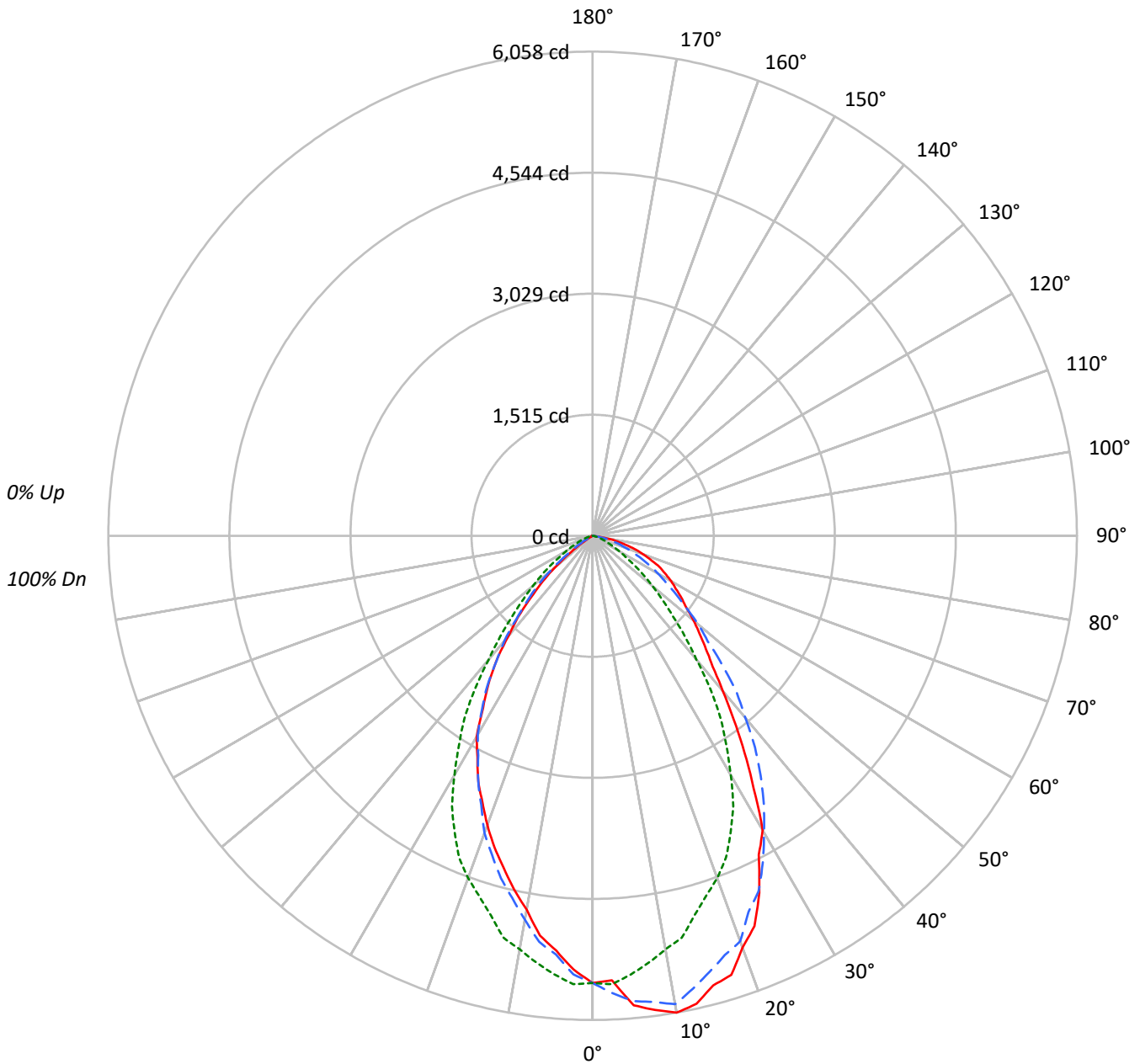
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8020.0 lumens
Efficiency: N/A
Efficacy: 70.1 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): 114.4
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: LD4C100D010 EX4C1009035 4LBSQLWWLI

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD4C100D010 EX4C1009035 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° | 539846 | 539846 | 539846 |
| 5° | 571159 | 533481 | 504899 |
| 10° | 593547 | 514675 | 465363 |
| 15° | 581685 | 491212 | 429558 |
| 20° | 562807 | 467734 | 395405 |
| 25° | 524973 | 434958 | 360688 |
| 30° | 473896 | 384930 | 322916 |
| 35° | 390372 | 329533 | 267893 |
| 40° | 318571 | 254346 | 206180 |
| 45° | 273717 | 193167 | 148300 |
| 50° | 247727 | 147048 | 93669 |
| 55° | 227976 | 106065 | 33863 |
| 60° | 218818 | 72482 | 5172 |
| 65° | 211349 | 49019 | 1553 |
| 70° | 189243 | 34023 | 1918 |
| 75° | 155124 | 17522 | 0 |
| 80° | 96962 | 7446 | 0 |
| 85° | 0 | 0 | 0 |



TEST NUMBER: P#

CATALOG NUMBER: LD4C100D010 EX4C1009035 4LBSQLWWLI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 524.2 | 6.5 |
| 10°-20° | 1412.3 | 17.6 |
| 20°-30° | 1885.9 | 23.5 |
| 30°-40° | 1790.3 | 22.3 |
| 40°-50° | 1237.5 | 15.4 |
| 50°-60° | 683.8 | 8.5 |
| 60°-70° | 339.5 | 4.2 |
| 70°-80° | 133.8 | 1.7 |
| 80°-90° | 12.7 | 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° | 3822.4 | 47.7 |
| 0°-40° | 5612.7 | 70.0 |
| 0°-60° | 7533.9 | 93.9 |
| 0°-90° | 8020.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 8020.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 5595 | 5595 | 5595 | 5595 | 5595 | |
| 5° | 5897 | 5843 | 5508 | 5260 | 5213 | 565 |
| 15° | 5823 | 5649 | 4917 | 4434 | 4300 | 1647 |
| 25° | 4931 | 4911 | 4086 | 3388 | 3388 | 2248 |
| 35° | 3314 | 3663 | 2798 | 2301 | 2274 | 2076 |
| 45° | 2006 | 2301 | 1416 | 1161 | 1087 | 1565 |
| 55° | 1355 | 1275 | 630 | 322 | 201 | 1220 |
| 65° | 926 | 671 | 215 | 7 | 7 | 899 |
| 75° | 416 | 255 | 47 | 0 | 0 | 443 |
| 85° | 0 | 7 | 0 | 0 | 0 | 38 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#

CATALOG NUMBER: LD4C100D010 EX4C1009035 4LBSQLWWLI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 |
| 2.5° | 5568.1 | 5722.4 | 5735.8 | 5722.4 | 5742.6 | 5735.8 | 5769.5 | 5735.8 | 5776.3 | 5715.8 | 5729.2 |
| 5° | 5896.9 | 5836.5 | 5964.0 | 5896.9 | 5896.9 | 5890.4 | 5870.1 | 5863.3 | 5890.4 | 5803.1 | 5843.3 |
| 7.5° | 5984.2 | 6071.5 | 6185.5 | 6044.6 | 6051.2 | 6051.2 | 6011.0 | 5997.6 | 5997.6 | 5836.5 | 5883.5 |
| 10° | 6058.0 | 6004.2 | 6064.6 | 6011.0 | 6058.0 | 6051.2 | 6078.0 | 5990.8 | 6051.2 | 5957.4 | 5950.5 |
| 12.5° | 5997.6 | 5977.4 | 6058.0 | 5970.8 | 5944.0 | 5950.5 | 5917.2 | 5896.9 | 5917.2 | 5809.7 | 5803.1 |
| 15° | 5823.1 | 5843.3 | 5964.0 | 5870.1 | 5856.7 | 5843.3 | 5803.1 | 5735.8 | 5789.7 | 5642.0 | 5648.8 |
| 17.5° | 5762.9 | 5729.2 | 5749.5 | 5668.8 | 5689.0 | 5675.6 | 5668.8 | 5608.6 | 5594.9 | 5501.1 | 5501.1 |
| 20° | 5481.1 | 5554.7 | 5554.7 | 5501.1 | 5501.1 | 5494.5 | 5407.3 | 5460.9 | 5400.4 | 5373.6 | 5400.4 |
| 22.5° | 5286.4 | 5293.2 | 5293.2 | 5246.2 | 5253.0 | 5226.2 | 5179.1 | 5145.5 | 5179.1 | 5145.5 | 5091.9 |
| 25° | 4931.0 | 4944.4 | 5024.8 | 4937.6 | 4924.2 | 4951.0 | 4910.8 | 4890.5 | 4884.0 | 4803.5 | 4910.8 |
| 27.5° | 4501.5 | 4635.6 | 4629.0 | 4595.4 | 4635.6 | 4582.0 | 4562.0 | 4568.6 | 4588.8 | 4582.0 | 4608.8 |
| 30° | 4253.4 | 4273.4 | 4293.6 | 4266.8 | 4273.4 | 4253.4 | 4253.4 | 4260.0 | 4313.6 | 4293.6 | 4286.8 |
| 32.5° | 3750.1 | 3817.1 | 3871.0 | 3871.0 | 3877.6 | 3897.8 | 3891.0 | 4031.9 | 4065.5 | 3998.5 | 3985.1 |
| 35° | 3314.1 | 3361.1 | 3407.9 | 3414.7 | 3502.0 | 3508.6 | 3515.4 | 3555.6 | 3649.4 | 3669.7 | 3662.8 |
| 37.5° | 2898.3 | 2945.0 | 2958.5 | 3018.9 | 3066.0 | 3112.7 | 3166.6 | 3220.2 | 3300.7 | 3367.7 | 3334.3 |
| 40° | 2529.2 | 2549.2 | 2582.9 | 2609.7 | 2703.5 | 2703.5 | 2730.3 | 2837.8 | 2925.1 | 2978.7 | 2971.9 |
| 42.5° | 2220.7 | 2227.3 | 2254.1 | 2301.1 | 2388.4 | 2368.1 | 2388.4 | 2462.2 | 2589.4 | 2596.3 | 2670.1 |
| 45° | 2005.9 | 1999.1 | 2019.3 | 2025.9 | 2079.8 | 2106.6 | 2120.0 | 2173.6 | 2280.9 | 2294.3 | 2301.1 |
| 47.5° | 1811.4 | 1804.6 | 1838.3 | 1851.7 | 1871.6 | 1898.4 | 1898.4 | 1905.3 | 1945.5 | 1979.1 | 1952.3 |
| 50° | 1650.3 | 1650.3 | 1650.3 | 1663.7 | 1697.4 | 1690.5 | 1697.4 | 1724.2 | 1744.2 | 1730.8 | 1724.2 |
| 52.5° | 1475.8 | 1502.6 | 1522.9 | 1529.7 | 1536.3 | 1536.3 | 1543.1 | 1529.7 | 1522.9 | 1502.6 | 1462.4 |
| 55° | 1355.2 | 1382.0 | 1382.0 | 1382.0 | 1382.0 | 1408.8 | 1375.4 | 1382.0 | 1382.0 | 1328.4 | 1274.7 |
| 57.5° | 1234.5 | 1261.3 | 1281.3 | 1254.5 | 1281.3 | 1254.5 | 1241.1 | 1234.5 | 1220.9 | 1167.2 | 1086.8 |
| 60° | 1133.9 | 1147.3 | 1140.4 | 1133.9 | 1147.3 | 1127.0 | 1113.6 | 1086.8 | 1073.4 | 999.6 | 945.9 |
| 62.5° | 1019.8 | 1026.4 | 1033.2 | 1019.8 | 1006.4 | 999.6 | 972.7 | 932.5 | 905.7 | 845.3 | 798.2 |
| 65° | 925.7 | 905.7 | 898.9 | 892.3 | 878.9 | 858.7 | 838.7 | 791.7 | 771.4 | 717.8 | 670.8 |
| 67.5° | 784.8 | 778.2 | 791.7 | 771.4 | 738.0 | 738.0 | 717.8 | 677.6 | 630.5 | 597.2 | 550.1 |
| 70° | 670.8 | 664.2 | 650.8 | 630.5 | 624.0 | 597.2 | 597.2 | 550.1 | 536.7 | 476.3 | 436.0 |
| 72.5° | 550.1 | 550.1 | 529.9 | 509.9 | 489.7 | 476.3 | 469.7 | 436.0 | 416.1 | 382.4 | 348.8 |
| 75° | 416.1 | 416.1 | 409.2 | 389.0 | 375.6 | 362.2 | 355.6 | 328.8 | 308.6 | 275.2 | 254.9 |
| 77.5° | 295.2 | 295.2 | 268.4 | 254.9 | 261.5 | 248.1 | 234.7 | 228.1 | 221.3 | 201.3 | 174.5 |
| 80° | 174.5 | 167.7 | 147.7 | 154.3 | 147.7 | 147.7 | 140.9 | 134.0 | 120.6 | 107.2 | 93.8 |
| 82.5° | 47.0 | 53.6 | 53.6 | 53.6 | 60.5 | 47.0 | 47.0 | 47.0 | 53.6 | 53.6 | 33.6 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 | 6.8 | 6.8 |
| 87.5° | 6.8 | 13.4 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 20.2 | 20.2 | 20.2 | 13.4 |
| 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: LD4C100D010 EX4C1009035 4LBSQLWWLI

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 |
| 2.5° | 5662.2 | 5655.4 | 5662.2 | 5615.2 | 5722.4 | 5642.0 | 5628.6 | 5615.2 | 5662.2 | 5615.2 | 5548.2 |
| 5° | 5782.9 | 5715.8 | 5695.6 | 5675.6 | 5735.8 | 5642.0 | 5622.0 | 5628.6 | 5594.9 | 5507.9 | 5514.5 |
| 7.5° | 5823.1 | 5762.9 | 5702.4 | 5575.0 | 5628.6 | 5608.6 | 5554.7 | 5514.5 | 5460.9 | 5387.0 | 5373.6 |
| 10° | 5836.5 | 5769.5 | 5682.2 | 5642.0 | 5561.6 | 5534.7 | 5514.5 | 5447.5 | 5380.5 | 5253.0 | 5219.3 |
| 12.5° | 5796.3 | 5715.8 | 5608.6 | 5575.0 | 5514.5 | 5427.2 | 5380.5 | 5313.2 | 5253.0 | 5152.3 | 5078.5 |
| 15° | 5622.0 | 5554.7 | 5521.3 | 5407.3 | 5380.5 | 5326.6 | 5232.8 | 5138.9 | 5051.7 | 4917.4 | 4877.1 |
| 17.5° | 5420.7 | 5393.9 | 5360.2 | 5273.0 | 5266.4 | 5212.8 | 5125.5 | 5044.8 | 4931.0 | 4722.9 | 4655.8 |
| 20° | 5212.8 | 5212.8 | 5105.3 | 5071.9 | 5138.9 | 5031.4 | 4964.4 | 4890.5 | 4655.8 | 4555.2 | 4434.5 |
| 22.5° | 5058.5 | 4984.6 | 4924.2 | 4870.6 | 4877.1 | 4810.1 | 4716.3 | 4568.6 | 4481.3 | 4360.7 | 4219.8 |
| 25° | 4756.5 | 4783.3 | 4649.3 | 4629.0 | 4649.3 | 4494.7 | 4447.9 | 4327.0 | 4199.6 | 4085.5 | 3978.2 |
| 27.5° | 4568.6 | 4494.7 | 4407.7 | 4333.9 | 4333.9 | 4273.4 | 4139.4 | 4112.6 | 3917.8 | 3810.6 | 3676.3 |
| 30° | 4286.8 | 4233.2 | 4159.3 | 4052.1 | 4038.7 | 3991.7 | 3884.4 | 3817.1 | 3616.1 | 3454.9 | 3381.1 |
| 32.5° | 3931.2 | 3911.2 | 3850.8 | 3730.1 | 3689.9 | 3636.0 | 3502.0 | 3387.9 | 3294.1 | 3112.7 | 3025.7 |
| 35° | 3676.3 | 3602.7 | 3475.2 | 3374.5 | 3340.9 | 3247.0 | 3139.5 | 3059.1 | 2958.5 | 2797.6 | 2683.5 |
| 37.5° | 3294.1 | 3220.2 | 3099.3 | 2978.7 | 2978.7 | 2884.9 | 2737.1 | 2656.7 | 2515.8 | 2421.7 | 2327.9 |
| 40° | 2958.5 | 2864.6 | 2744.0 | 2603.1 | 2582.9 | 2448.6 | 2388.4 | 2254.1 | 2166.8 | 2019.3 | 2005.9 |
| 42.5° | 2582.9 | 2495.6 | 2388.4 | 2280.9 | 2200.4 | 2133.4 | 1979.1 | 1878.5 | 1784.6 | 1710.8 | 1690.5 |
| 45° | 2240.7 | 2126.6 | 2032.8 | 1898.4 | 1818.0 | 1737.6 | 1636.9 | 1569.9 | 1496.0 | 1415.6 | 1368.6 |
| 47.5° | 1945.5 | 1851.7 | 1717.4 | 1596.7 | 1516.3 | 1475.8 | 1361.7 | 1288.1 | 1227.7 | 1174.1 | 1140.4 |
| 50° | 1643.8 | 1529.7 | 1455.8 | 1321.5 | 1308.1 | 1214.3 | 1120.5 | 1060.0 | 1026.4 | 979.6 | 932.5 |
| 52.5° | 1415.6 | 1308.1 | 1207.5 | 1107.1 | 1053.2 | 1019.8 | 932.5 | 872.1 | 825.3 | 791.7 | 764.8 |
| 55° | 1194.1 | 1100.2 | 1019.8 | 919.1 | 885.5 | 838.7 | 738.0 | 724.6 | 677.6 | 630.5 | 597.2 |
| 57.5° | 1026.4 | 939.1 | 845.3 | 778.2 | 717.8 | 684.4 | 603.7 | 550.1 | 523.3 | 483.1 | 449.4 |
| 60° | 872.1 | 778.2 | 704.4 | 624.0 | 597.2 | 550.1 | 489.7 | 442.9 | 409.2 | 375.6 | 342.2 |
| 62.5° | 731.2 | 650.8 | 570.3 | 503.1 | 462.8 | 436.0 | 389.0 | 348.8 | 315.4 | 288.6 | 261.5 |
| 65° | 603.7 | 529.9 | 462.8 | 395.8 | 375.6 | 342.2 | 308.6 | 275.2 | 248.1 | 214.7 | 187.9 |
| 67.5° | 496.5 | 429.5 | 362.2 | 315.4 | 295.2 | 281.8 | 241.5 | 207.9 | 187.9 | 167.7 | 140.9 |
| 70° | 389.0 | 342.2 | 288.6 | 248.1 | 228.1 | 207.9 | 181.1 | 161.1 | 134.0 | 120.6 | 100.7 |
| 72.5° | 302.0 | 261.5 | 214.7 | 181.1 | 167.7 | 154.3 | 127.5 | 107.2 | 93.8 | 80.4 | 67.0 |
| 75° | 214.7 | 181.1 | 154.3 | 120.6 | 114.1 | 107.2 | 87.3 | 73.9 | 60.5 | 47.0 | 40.2 |
| 77.5° | 147.7 | 120.6 | 93.8 | 80.4 | 73.9 | 60.5 | 53.6 | 40.2 | 33.6 | 26.8 | 20.2 |
| 80° | 80.4 | 60.5 | 47.0 | 40.2 | 33.6 | 26.8 | 26.8 | 20.2 | 13.4 | 13.4 | 6.8 |
| 82.5° | 26.8 | 20.2 | 13.4 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 0.0 | 6.8 |
| 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° | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 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: LD4C100D010 EX4C1009035 4LBSQLWWLI

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 |
| 2.5° | 5588.4 | 5514.5 | 5534.7 | 5534.7 | 5521.3 | 5521.3 | 5507.9 | 5487.7 | 5494.5 | 5454.1 | 5367.1 |
| 5° | 5527.9 | 5434.1 | 5420.7 | 5434.1 | 5380.5 | 5367.1 | 5340.2 | 5380.5 | 5259.6 | 5306.6 | 5253.0 |
| 7.5° | 5353.7 | 5266.4 | 5246.2 | 5293.2 | 5226.2 | 5185.7 | 5179.1 | 5232.8 | 5125.5 | 5071.9 | 5011.4 |
| 10° | 5158.9 | 5125.5 | 5065.1 | 5031.4 | 5011.4 | 5018.0 | 4964.4 | 4897.4 | 4877.1 | 4863.7 | 4810.1 |
| 12.5° | 4984.6 | 4910.8 | 4857.2 | 4816.9 | 4803.5 | 4803.5 | 4716.3 | 4702.9 | 4642.4 | 4629.0 | 4548.6 |
| 15° | 4776.5 | 4689.5 | 4655.8 | 4602.2 | 4555.2 | 4582.0 | 4481.3 | 4454.5 | 4434.5 | 4347.3 | 4360.7 |
| 17.5° | 4595.4 | 4501.5 | 4421.1 | 4387.5 | 4347.3 | 4307.1 | 4213.0 | 4233.2 | 4186.1 | 4186.1 | 4065.5 |
| 20° | 4360.7 | 4260.0 | 4199.6 | 4132.5 | 4132.5 | 4078.9 | 4011.9 | 4018.5 | 3958.0 | 3897.8 | 3790.3 |
| 22.5° | 4112.6 | 4005.1 | 3931.2 | 3904.4 | 3837.4 | 3824.0 | 3743.5 | 3723.3 | 3642.9 | 3649.4 | 3555.6 |
| 25° | 3850.8 | 3743.5 | 3642.9 | 3649.4 | 3589.3 | 3562.4 | 3515.4 | 3421.6 | 3387.9 | 3347.7 | 3320.9 |
| 27.5° | 3542.2 | 3468.4 | 3381.1 | 3374.5 | 3260.4 | 3267.0 | 3206.8 | 3180.0 | 3099.3 | 3119.6 | 3059.1 |
| 30° | 3260.4 | 3153.2 | 3072.5 | 3052.5 | 3005.5 | 2992.1 | 2898.3 | 2857.8 | 2871.5 | 2817.6 | 2784.2 |
| 32.5° | 2971.9 | 2811.0 | 2777.4 | 2737.1 | 2710.3 | 2676.7 | 2609.7 | 2636.5 | 2576.0 | 2589.4 | 2535.8 |
| 35° | 2589.4 | 2522.4 | 2435.2 | 2435.2 | 2408.3 | 2381.5 | 2334.7 | 2361.6 | 2301.1 | 2274.3 | 2220.7 |
| 37.5° | 2267.5 | 2207.3 | 2120.0 | 2146.8 | 2099.8 | 2059.6 | 2019.3 | 2025.9 | 1972.3 | 1965.7 | 1911.9 |
| 40° | 1918.7 | 1885.0 | 1824.9 | 1824.9 | 1791.2 | 1791.2 | 1771.0 | 1751.0 | 1717.4 | 1677.1 | 1616.7 |
| 42.5° | 1589.9 | 1563.1 | 1536.3 | 1543.1 | 1496.0 | 1536.3 | 1482.6 | 1516.3 | 1408.8 | 1402.2 | 1361.7 |
| 45° | 1348.3 | 1288.1 | 1294.7 | 1267.9 | 1241.1 | 1254.5 | 1207.5 | 1220.9 | 1160.7 | 1147.3 | 1107.1 |
| 47.5° | 1093.6 | 1073.4 | 1033.2 | 1019.8 | 1019.8 | 999.6 | 979.6 | 972.7 | 945.9 | 912.3 | 858.7 |
| 50° | 898.9 | 825.3 | 811.6 | 791.7 | 778.2 | 778.2 | 751.4 | 711.2 | 717.8 | 684.4 | 630.5 |
| 52.5° | 704.4 | 643.9 | 617.1 | 610.6 | 583.8 | 570.3 | 536.7 | 509.9 | 489.7 | 476.3 | 442.9 |
| 55° | 543.3 | 489.7 | 456.3 | 456.3 | 416.1 | 416.1 | 369.0 | 348.8 | 322.0 | 295.2 | 275.2 |
| 57.5° | 409.2 | 382.4 | 348.8 | 322.0 | 308.6 | 275.2 | 248.1 | 214.7 | 194.5 | 154.3 | 127.5 |
| 60° | 308.6 | 281.8 | 248.1 | 228.1 | 214.7 | 181.1 | 147.7 | 120.6 | 73.9 | 60.5 | 53.6 |
| 62.5° | 228.1 | 201.3 | 167.7 | 154.3 | 140.9 | 114.1 | 80.4 | 40.2 | 20.2 | 20.2 | 20.2 |
| 65° | 167.7 | 134.0 | 107.2 | 93.8 | 80.4 | 60.5 | 26.8 | 13.4 | 6.8 | 6.8 | 6.8 |
| 67.5° | 114.1 | 87.3 | 60.5 | 53.6 | 40.2 | 20.2 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 |
| 70° | 73.9 | 53.6 | 26.8 | 20.2 | 13.4 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 |
| 72.5° | 47.0 | 26.8 | 13.4 | 6.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 26.8 | 13.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 13.4 | 6.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 6.8 | 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 | 6.8 | 6.8 | 6.8 |
| 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: LD4C100D010 EX4C1009035 4LBSQLWWLI

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 | 5594.9 |
| 2.5° | 5460.9 | 5413.8 | 5440.7 | 5380.5 | 5407.3 | 5454.1 | 5420.7 | 5434.1 |
| 5° | 5273.0 | 5246.2 | 5212.8 | 5125.5 | 5192.5 | 5246.2 | 5219.3 | 5212.8 |
| 7.5° | 5071.9 | 4977.8 | 5024.8 | 4998.0 | 4984.6 | 5038.3 | 4977.8 | 5044.8 |
| 10° | 4863.7 | 4796.7 | 4790.1 | 4743.1 | 4743.1 | 4783.3 | 4790.1 | 4749.7 |
| 12.5° | 4555.2 | 4521.8 | 4521.8 | 4515.0 | 4508.1 | 4548.6 | 4555.2 | 4535.2 |
| 15° | 4333.9 | 4320.5 | 4286.8 | 4280.2 | 4240.0 | 4300.2 | 4307.1 | 4300.2 |
| 17.5° | 4065.5 | 4072.1 | 4038.7 | 4038.7 | 4065.5 | 4085.5 | 4031.9 | 4085.5 |
| 20° | 3884.4 | 3850.8 | 3837.4 | 3776.9 | 3810.6 | 3844.2 | 3844.2 | 3850.8 |
| 22.5° | 3622.6 | 3569.0 | 3589.3 | 3555.6 | 3535.4 | 3582.4 | 3582.4 | 3602.7 |
| 25° | 3327.5 | 3327.5 | 3340.9 | 3320.9 | 3334.3 | 3361.1 | 3340.9 | 3387.9 |
| 27.5° | 3045.7 | 3072.5 | 3072.5 | 3045.7 | 3059.1 | 3139.5 | 3173.2 | 3119.6 |
| 30° | 2784.2 | 2790.8 | 2811.0 | 2797.6 | 2837.8 | 2864.6 | 2857.8 | 2898.3 |
| 32.5° | 2489.0 | 2522.4 | 2535.8 | 2515.8 | 2529.2 | 2589.4 | 2556.1 | 2549.2 |
| 35° | 2260.9 | 2200.4 | 2193.9 | 2200.4 | 2227.3 | 2240.7 | 2227.3 | 2274.3 |
| 37.5° | 1932.1 | 1911.9 | 1885.0 | 1891.9 | 1911.9 | 1938.9 | 1952.3 | 1985.7 |
| 40° | 1616.7 | 1589.9 | 1589.9 | 1583.3 | 1563.1 | 1636.9 | 1636.9 | 1636.9 |
| 42.5° | 1341.8 | 1334.9 | 1301.6 | 1301.6 | 1328.4 | 1348.3 | 1334.9 | 1382.0 |
| 45° | 1100.2 | 1073.4 | 1053.2 | 1053.2 | 1073.4 | 1073.4 | 1093.6 | 1086.8 |
| 47.5° | 865.5 | 838.7 | 845.3 | 825.3 | 845.3 | 872.1 | 838.7 | 845.3 |
| 50° | 650.8 | 650.8 | 637.4 | 650.8 | 643.9 | 650.8 | 637.4 | 624.0 |
| 52.5° | 442.9 | 503.1 | 509.9 | 483.1 | 422.6 | 369.0 | 335.4 | 362.2 |
| 55° | 254.9 | 228.1 | 228.1 | 221.3 | 207.9 | 201.3 | 181.1 | 201.3 |
| 57.5° | 127.5 | 114.1 | 114.1 | 114.1 | 107.2 | 100.7 | 87.3 | 87.3 |
| 60° | 53.6 | 47.0 | 47.0 | 40.2 | 33.6 | 26.8 | 20.2 | 26.8 |
| 62.5° | 20.2 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 |
| 65° | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 |
| 67.5° | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 |
| 70° | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 |
| 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)