

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: **LD4C60D010 EX4C609050 4LBSQLWWLI**

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: LD4C60D010 EX4C609050 4LBSQLWWLI
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBSQLWW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

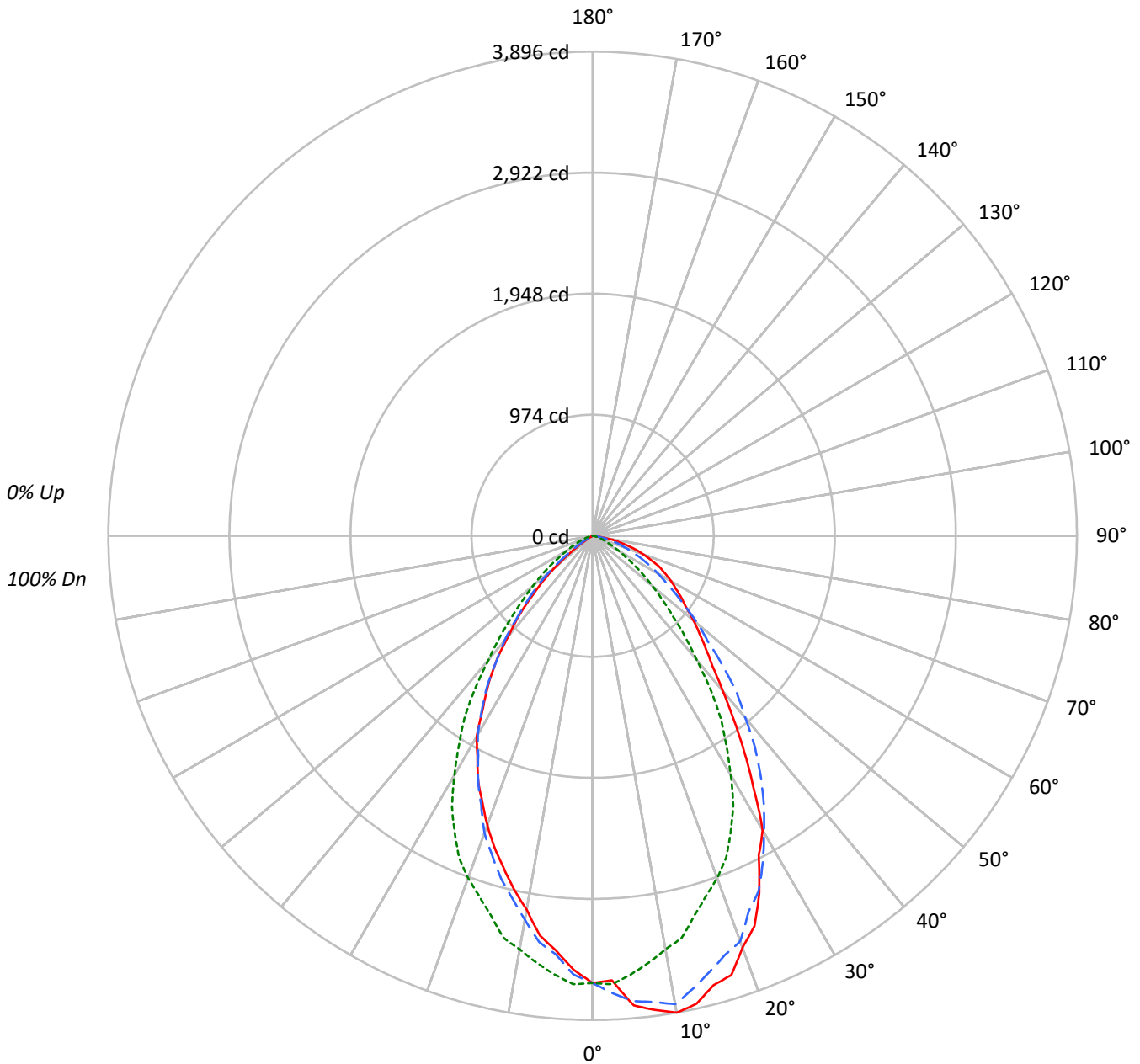
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5158.0 lumens
Efficiency: N/A
Efficacy: 71.6 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): 72
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: LD4C60D010 EX4C609050 4LBSQLWWLI

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD4C60D010 EX4C609050 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° | 347196 | 347196 | 347196 |
| 5° | 367342 | 343108 | 324724 |
| 10° | 381740 | 331007 | 299292 |
| 15° | 374108 | 315921 | 276273 |
| 20° | 361962 | 300815 | 254301 |
| 25° | 337628 | 279733 | 231974 |
| 30° | 304789 | 247566 | 207679 |
| 35° | 251060 | 211942 | 172293 |
| 40° | 204895 | 163581 | 132608 |
| 45° | 176042 | 124229 | 95383 |
| 50° | 159327 | 94569 | 60239 |
| 55° | 146623 | 68215 | 21785 |
| 60° | 140719 | 46623 | 3319 |
| 65° | 135937 | 31530 | 1005 |
| 70° | 121704 | 21892 | 1241 |
| 75° | 99762 | 11296 | 0 |
| 80° | 62345 | 4779 | 0 |
| 85° | 0 | 0 | 0 |



TEST NUMBER: P#

CATALOG NUMBER: LD4C60D010 EX4C609050 4LBSQLWWLI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 337.1 | 6.5 |
| 10°-20° | 908.3 | 17.6 |
| 20°-30° | 1212.9 | 23.5 |
| 30°-40° | 1151.4 | 22.3 |
| 40°-50° | 795.9 | 15.4 |
| 50°-60° | 439.8 | 8.5 |
| 60°-70° | 218.4 | 4.2 |
| 70°-80° | 86.0 | 1.7 |
| 80°-90° | 8.2 | 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° | 2458.4 | 47.7 |
| 0°-40° | 3609.8 | 70.0 |
| 0°-60° | 4845.4 | 93.9 |
| 0°-90° | 5158.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5158.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3598 | 3598 | 3598 | 3598 | 3598 | |
| 5° | 3793 | 3758 | 3542 | 3383 | 3353 | 363 |
| 15° | 3745 | 3633 | 3163 | 2852 | 2766 | 1059 |
| 25° | 3171 | 3158 | 2628 | 2179 | 2179 | 1446 |
| 35° | 2131 | 2356 | 1799 | 1480 | 1463 | 1335 |
| 45° | 1290 | 1480 | 910 | 746 | 699 | 1006 |
| 55° | 872 | 820 | 406 | 207 | 130 | 785 |
| 65° | 595 | 431 | 138 | 4 | 4 | 578 |
| 75° | 268 | 164 | 30 | 0 | 0 | 285 |
| 85° | 0 | 4 | 0 | 0 | 0 | 25 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#

CATALOG NUMBER: LD4C60D010 EX4C609050 4LBSQLWWLI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 |
| 2.5° | 3581.1 | 3680.3 | 3688.9 | 3680.3 | 3693.3 | 3688.9 | 3710.6 | 3688.9 | 3715.0 | 3676.1 | 3684.7 |
| 5° | 3792.6 | 3753.7 | 3835.7 | 3792.6 | 3792.6 | 3788.3 | 3775.3 | 3770.9 | 3788.3 | 3732.2 | 3758.1 |
| 7.5° | 3848.7 | 3904.8 | 3978.2 | 3887.6 | 3891.8 | 3891.8 | 3865.9 | 3857.3 | 3857.3 | 3753.7 | 3783.9 |
| 10° | 3896.2 | 3861.5 | 3900.4 | 3865.9 | 3896.2 | 3891.8 | 3909.0 | 3852.9 | 3891.8 | 3831.4 | 3827.0 |
| 12.5° | 3857.3 | 3844.3 | 3896.2 | 3840.1 | 3822.8 | 3827.0 | 3805.6 | 3792.6 | 3805.6 | 3736.4 | 3732.2 |
| 15° | 3745.1 | 3758.1 | 3835.7 | 3775.3 | 3766.7 | 3758.1 | 3732.2 | 3688.9 | 3723.6 | 3628.6 | 3633.0 |
| 17.5° | 3706.4 | 3684.7 | 3697.7 | 3645.8 | 3658.9 | 3650.2 | 3645.8 | 3607.1 | 3598.3 | 3538.0 | 3538.0 |
| 20° | 3525.1 | 3572.5 | 3572.5 | 3538.0 | 3538.0 | 3533.8 | 3477.6 | 3512.1 | 3473.2 | 3456.0 | 3473.2 |
| 22.5° | 3399.9 | 3404.3 | 3404.3 | 3374.0 | 3378.4 | 3361.2 | 3330.9 | 3309.3 | 3330.9 | 3309.3 | 3274.8 |
| 25° | 3171.3 | 3180.0 | 3231.7 | 3175.6 | 3167.0 | 3184.2 | 3158.3 | 3145.3 | 3141.1 | 3089.4 | 3158.3 |
| 27.5° | 2895.1 | 2981.3 | 2977.1 | 2955.5 | 2981.3 | 2946.9 | 2934.0 | 2938.2 | 2951.3 | 2946.9 | 2964.1 |
| 30° | 2735.6 | 2748.4 | 2761.4 | 2744.2 | 2748.4 | 2735.6 | 2735.6 | 2739.8 | 2774.3 | 2761.4 | 2757.0 |
| 32.5° | 2411.9 | 2455.0 | 2489.6 | 2489.6 | 2493.8 | 2506.9 | 2502.5 | 2593.1 | 2614.7 | 2571.6 | 2563.0 |
| 35° | 2131.4 | 2161.7 | 2191.8 | 2196.2 | 2252.3 | 2256.5 | 2260.9 | 2286.8 | 2347.1 | 2360.1 | 2355.7 |
| 37.5° | 1864.0 | 1894.1 | 1902.7 | 1941.6 | 1971.8 | 2001.9 | 2036.6 | 2071.1 | 2122.8 | 2165.9 | 2144.4 |
| 40° | 1626.7 | 1639.5 | 1661.1 | 1678.4 | 1738.7 | 1738.7 | 1756.0 | 1825.1 | 1881.2 | 1915.7 | 1911.3 |
| 42.5° | 1428.2 | 1432.4 | 1449.7 | 1479.9 | 1536.1 | 1523.0 | 1536.1 | 1583.6 | 1665.4 | 1669.8 | 1717.3 |
| 45° | 1290.1 | 1285.7 | 1298.7 | 1303.0 | 1337.6 | 1354.8 | 1363.5 | 1398.0 | 1466.9 | 1475.5 | 1479.9 |
| 47.5° | 1165.0 | 1160.6 | 1182.3 | 1190.9 | 1203.7 | 1221.0 | 1221.0 | 1225.4 | 1251.2 | 1272.9 | 1255.6 |
| 50° | 1061.4 | 1061.4 | 1061.4 | 1070.0 | 1091.7 | 1087.3 | 1091.7 | 1108.9 | 1121.7 | 1113.1 | 1108.9 |
| 52.5° | 949.2 | 966.4 | 979.4 | 983.8 | 988.0 | 988.0 | 992.4 | 983.8 | 979.4 | 966.4 | 940.5 |
| 55° | 871.6 | 888.8 | 888.8 | 888.8 | 888.8 | 906.1 | 884.6 | 888.8 | 888.8 | 854.3 | 819.8 |
| 57.5° | 794.0 | 811.2 | 824.1 | 806.8 | 824.1 | 806.8 | 798.2 | 794.0 | 785.2 | 750.7 | 699.0 |
| 60° | 729.2 | 737.9 | 733.5 | 729.2 | 737.9 | 724.8 | 716.2 | 699.0 | 690.4 | 642.9 | 608.4 |
| 62.5° | 655.9 | 660.1 | 664.5 | 655.9 | 647.3 | 642.9 | 625.6 | 599.8 | 582.5 | 543.6 | 513.4 |
| 65° | 595.4 | 582.5 | 578.1 | 573.9 | 565.3 | 552.3 | 539.4 | 509.1 | 496.1 | 461.6 | 431.4 |
| 67.5° | 504.8 | 500.5 | 509.1 | 496.1 | 474.7 | 474.7 | 461.6 | 435.8 | 405.5 | 384.1 | 353.8 |
| 70° | 431.4 | 427.2 | 418.5 | 405.5 | 401.3 | 384.1 | 384.1 | 353.8 | 345.2 | 306.3 | 280.4 |
| 72.5° | 353.8 | 353.8 | 340.8 | 327.9 | 314.9 | 306.3 | 302.1 | 280.4 | 267.6 | 246.0 | 224.3 |
| 75° | 267.6 | 267.6 | 263.2 | 250.2 | 241.6 | 232.9 | 228.7 | 211.5 | 198.5 | 177.0 | 164.0 |
| 77.5° | 189.8 | 189.8 | 172.6 | 164.0 | 168.2 | 159.6 | 151.0 | 146.7 | 142.3 | 129.5 | 112.2 |
| 80° | 112.2 | 107.8 | 95.0 | 99.2 | 95.0 | 95.0 | 90.6 | 86.2 | 77.6 | 69.0 | 60.3 |
| 82.5° | 30.3 | 34.5 | 34.5 | 34.5 | 38.9 | 30.3 | 30.3 | 30.3 | 34.5 | 34.5 | 21.6 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 | 4.4 | 4.4 |
| 87.5° | 4.4 | 8.6 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 13.0 | 13.0 | 13.0 | 8.6 |
| 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: LD4C60D010 EX4C609050 4LBSQLWWLI

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 |
| 2.5° | 3641.6 | 3637.2 | 3641.6 | 3611.4 | 3680.3 | 3628.6 | 3620.0 | 3611.4 | 3641.6 | 3611.4 | 3568.2 |
| 5° | 3719.2 | 3676.1 | 3663.1 | 3650.2 | 3688.9 | 3628.6 | 3615.7 | 3620.0 | 3598.3 | 3542.4 | 3546.6 |
| 7.5° | 3745.1 | 3706.4 | 3667.5 | 3585.5 | 3620.0 | 3607.1 | 3572.5 | 3546.6 | 3512.1 | 3464.6 | 3456.0 |
| 10° | 3753.7 | 3710.6 | 3654.5 | 3628.6 | 3576.9 | 3559.6 | 3546.6 | 3503.5 | 3460.4 | 3378.4 | 3356.8 |
| 12.5° | 3727.8 | 3676.1 | 3607.1 | 3585.5 | 3546.6 | 3490.5 | 3460.4 | 3417.1 | 3378.4 | 3313.7 | 3266.2 |
| 15° | 3615.7 | 3572.5 | 3551.0 | 3477.6 | 3460.4 | 3425.7 | 3365.4 | 3305.1 | 3248.9 | 3162.6 | 3136.7 |
| 17.5° | 3486.3 | 3469.0 | 3447.4 | 3391.3 | 3387.0 | 3352.6 | 3296.4 | 3244.5 | 3171.3 | 3037.5 | 2994.4 |
| 20° | 3352.6 | 3352.6 | 3283.4 | 3262.0 | 3305.1 | 3235.9 | 3192.8 | 3145.3 | 2994.4 | 2929.6 | 2852.0 |
| 22.5° | 3253.3 | 3205.8 | 3167.0 | 3132.5 | 3136.7 | 3093.6 | 3033.2 | 2938.2 | 2882.1 | 2804.5 | 2713.9 |
| 25° | 3059.1 | 3076.3 | 2990.1 | 2977.1 | 2990.1 | 2890.7 | 2860.7 | 2782.9 | 2700.9 | 2627.5 | 2558.6 |
| 27.5° | 2938.2 | 2890.7 | 2834.8 | 2787.3 | 2787.3 | 2748.4 | 2662.2 | 2645.0 | 2519.7 | 2450.7 | 2364.4 |
| 30° | 2757.0 | 2722.5 | 2675.0 | 2606.1 | 2597.5 | 2567.2 | 2498.2 | 2455.0 | 2325.6 | 2222.0 | 2174.5 |
| 32.5° | 2528.3 | 2515.5 | 2476.6 | 2399.0 | 2373.1 | 2338.5 | 2252.3 | 2178.9 | 2118.6 | 2001.9 | 1946.0 |
| 35° | 2364.4 | 2317.0 | 2235.0 | 2170.3 | 2148.7 | 2088.3 | 2019.2 | 1967.4 | 1902.7 | 1799.3 | 1725.9 |
| 37.5° | 2118.6 | 2071.1 | 1993.3 | 1915.7 | 1915.7 | 1855.4 | 1760.4 | 1708.6 | 1618.0 | 1557.5 | 1497.2 |
| 40° | 1902.7 | 1842.4 | 1764.8 | 1674.2 | 1661.1 | 1574.8 | 1536.1 | 1449.7 | 1393.6 | 1298.7 | 1290.1 |
| 42.5° | 1661.1 | 1605.0 | 1536.1 | 1466.9 | 1415.2 | 1372.1 | 1272.9 | 1208.1 | 1147.8 | 1100.3 | 1087.3 |
| 45° | 1441.1 | 1367.7 | 1307.3 | 1221.0 | 1169.2 | 1117.5 | 1052.8 | 1009.7 | 962.2 | 910.4 | 880.2 |
| 47.5° | 1251.2 | 1190.9 | 1104.5 | 1026.9 | 975.2 | 949.2 | 875.8 | 828.5 | 789.6 | 755.1 | 733.5 |
| 50° | 1057.2 | 983.8 | 936.3 | 849.9 | 841.3 | 781.0 | 720.6 | 681.7 | 660.1 | 630.0 | 599.8 |
| 52.5° | 910.4 | 841.3 | 776.6 | 712.0 | 677.3 | 655.9 | 599.8 | 560.9 | 530.8 | 509.1 | 491.9 |
| 55° | 767.9 | 707.6 | 655.9 | 591.1 | 569.5 | 539.4 | 474.7 | 466.0 | 435.8 | 405.5 | 384.1 |
| 57.5° | 660.1 | 604.0 | 543.6 | 500.5 | 461.6 | 440.2 | 388.3 | 353.8 | 336.6 | 310.7 | 289.1 |
| 60° | 560.9 | 500.5 | 453.0 | 401.3 | 384.1 | 353.8 | 314.9 | 284.8 | 263.2 | 241.6 | 220.1 |
| 62.5° | 470.3 | 418.5 | 366.8 | 323.5 | 297.7 | 280.4 | 250.2 | 224.3 | 202.8 | 185.6 | 168.2 |
| 65° | 388.3 | 340.8 | 297.7 | 254.6 | 241.6 | 220.1 | 198.5 | 177.0 | 159.6 | 138.1 | 120.9 |
| 67.5° | 319.3 | 276.2 | 232.9 | 202.8 | 189.8 | 181.2 | 155.3 | 133.7 | 120.9 | 107.8 | 90.6 |
| 70° | 250.2 | 220.1 | 185.6 | 159.6 | 146.7 | 133.7 | 116.5 | 103.6 | 86.2 | 77.6 | 64.7 |
| 72.5° | 194.2 | 168.2 | 138.1 | 116.5 | 107.8 | 99.2 | 82.0 | 69.0 | 60.3 | 51.7 | 43.1 |
| 75° | 138.1 | 116.5 | 99.2 | 77.6 | 73.4 | 69.0 | 56.1 | 47.5 | 38.9 | 30.3 | 25.9 |
| 77.5° | 95.0 | 77.6 | 60.3 | 51.7 | 47.5 | 38.9 | 34.5 | 25.9 | 21.6 | 17.2 | 13.0 |
| 80° | 51.7 | 38.9 | 30.3 | 25.9 | 21.6 | 17.2 | 17.2 | 13.0 | 8.6 | 8.6 | 4.4 |
| 82.5° | 17.2 | 13.0 | 8.6 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 0.0 | 4.4 |
| 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° | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 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: LD4C60D010 EX4C609050 4LBSQLWWLI

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 |
| 2.5° | 3594.1 | 3546.6 | 3559.6 | 3559.6 | 3551.0 | 3551.0 | 3542.4 | 3529.4 | 3533.8 | 3507.7 | 3451.8 |
| 5° | 3555.2 | 3494.9 | 3486.3 | 3494.9 | 3460.4 | 3451.8 | 3434.5 | 3460.4 | 3382.6 | 3412.9 | 3378.4 |
| 7.5° | 3443.2 | 3387.0 | 3374.0 | 3404.3 | 3361.2 | 3335.1 | 3330.9 | 3365.4 | 3296.4 | 3262.0 | 3223.1 |
| 10° | 3317.9 | 3296.4 | 3257.6 | 3235.9 | 3223.1 | 3227.3 | 3192.8 | 3149.7 | 3136.7 | 3128.1 | 3093.6 |
| 12.5° | 3205.8 | 3158.3 | 3123.8 | 3098.0 | 3089.4 | 3089.4 | 3033.2 | 3024.6 | 2985.7 | 2977.1 | 2925.4 |
| 15° | 3072.0 | 3016.0 | 2994.4 | 2959.9 | 2929.6 | 2946.9 | 2882.1 | 2864.9 | 2852.0 | 2795.9 | 2804.5 |
| 17.5° | 2955.5 | 2895.1 | 2843.4 | 2821.8 | 2795.9 | 2770.0 | 2709.5 | 2722.5 | 2692.3 | 2692.3 | 2614.7 |
| 20° | 2804.5 | 2739.8 | 2700.9 | 2657.8 | 2657.8 | 2623.3 | 2580.2 | 2584.4 | 2545.6 | 2506.9 | 2437.7 |
| 22.5° | 2645.0 | 2575.8 | 2528.3 | 2511.1 | 2468.0 | 2459.4 | 2407.6 | 2394.6 | 2342.9 | 2347.1 | 2286.8 |
| 25° | 2476.6 | 2407.6 | 2342.9 | 2347.1 | 2308.4 | 2291.2 | 2260.9 | 2200.6 | 2178.9 | 2153.1 | 2135.8 |
| 27.5° | 2278.1 | 2230.6 | 2174.5 | 2170.3 | 2096.9 | 2101.2 | 2062.4 | 2045.2 | 1993.3 | 2006.3 | 1967.4 |
| 30° | 2096.9 | 2028.0 | 1976.1 | 1963.2 | 1933.0 | 1924.3 | 1864.0 | 1838.0 | 1846.8 | 1812.1 | 1790.6 |
| 32.5° | 1911.3 | 1807.9 | 1786.2 | 1760.4 | 1743.1 | 1721.5 | 1678.4 | 1695.6 | 1656.8 | 1665.4 | 1630.9 |
| 35° | 1665.4 | 1622.3 | 1566.1 | 1566.1 | 1548.9 | 1531.7 | 1501.6 | 1518.8 | 1479.9 | 1462.7 | 1428.2 |
| 37.5° | 1458.3 | 1419.6 | 1363.5 | 1380.7 | 1350.5 | 1324.6 | 1298.7 | 1303.0 | 1268.5 | 1264.2 | 1229.6 |
| 40° | 1234.0 | 1212.3 | 1173.6 | 1173.6 | 1152.0 | 1152.0 | 1139.0 | 1126.1 | 1104.5 | 1078.6 | 1039.8 |
| 42.5° | 1022.5 | 1005.3 | 988.0 | 992.4 | 962.2 | 988.0 | 953.6 | 975.2 | 906.1 | 901.8 | 875.8 |
| 45° | 867.2 | 828.5 | 832.7 | 815.4 | 798.2 | 806.8 | 776.6 | 785.2 | 746.5 | 737.9 | 712.0 |
| 47.5° | 703.4 | 690.4 | 664.5 | 655.9 | 655.9 | 642.9 | 630.0 | 625.6 | 608.4 | 586.7 | 552.3 |
| 50° | 578.1 | 530.8 | 522.0 | 509.1 | 500.5 | 500.5 | 483.3 | 457.4 | 461.6 | 440.2 | 405.5 |
| 52.5° | 453.0 | 414.1 | 396.9 | 392.7 | 375.4 | 366.8 | 345.2 | 327.9 | 314.9 | 306.3 | 284.8 |
| 55° | 349.4 | 314.9 | 293.5 | 293.5 | 267.6 | 267.6 | 237.3 | 224.3 | 207.1 | 189.8 | 177.0 |
| 57.5° | 263.2 | 246.0 | 224.3 | 207.1 | 198.5 | 177.0 | 159.6 | 138.1 | 125.1 | 99.2 | 82.0 |
| 60° | 198.5 | 181.2 | 159.6 | 146.7 | 138.1 | 116.5 | 95.0 | 77.6 | 47.5 | 38.9 | 34.5 |
| 62.5° | 146.7 | 129.5 | 107.8 | 99.2 | 90.6 | 73.4 | 51.7 | 25.9 | 13.0 | 13.0 | 13.0 |
| 65° | 107.8 | 86.2 | 69.0 | 60.3 | 51.7 | 38.9 | 17.2 | 8.6 | 4.4 | 4.4 | 4.4 |
| 67.5° | 73.4 | 56.1 | 38.9 | 34.5 | 25.9 | 13.0 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| 70° | 47.5 | 34.5 | 17.2 | 13.0 | 8.6 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| 72.5° | 30.3 | 17.2 | 8.6 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 17.2 | 8.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 8.6 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 4.4 | 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 | 4.4 | 4.4 | 4.4 |
| 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: LD4C60D010 EX4C609050 4LBSQLWWLI

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 | 3598.3 |
| 2.5° | 3512.1 | 3481.9 | 3499.1 | 3460.4 | 3477.6 | 3507.7 | 3486.3 | 3494.9 |
| 5° | 3391.3 | 3374.0 | 3352.6 | 3296.4 | 3339.5 | 3374.0 | 3356.8 | 3352.6 |
| 7.5° | 3262.0 | 3201.4 | 3231.7 | 3214.5 | 3205.8 | 3240.3 | 3201.4 | 3244.5 |
| 10° | 3128.1 | 3085.0 | 3080.7 | 3050.5 | 3050.5 | 3076.3 | 3080.7 | 3054.7 |
| 12.5° | 2929.6 | 2908.2 | 2908.2 | 2903.8 | 2899.4 | 2925.4 | 2929.6 | 2916.8 |
| 15° | 2787.3 | 2778.7 | 2757.0 | 2752.8 | 2726.9 | 2765.7 | 2770.0 | 2765.7 |
| 17.5° | 2614.7 | 2618.9 | 2597.5 | 2597.5 | 2614.7 | 2627.5 | 2593.1 | 2627.5 |
| 20° | 2498.2 | 2476.6 | 2468.0 | 2429.1 | 2450.7 | 2472.4 | 2472.4 | 2476.6 |
| 22.5° | 2329.9 | 2295.4 | 2308.4 | 2286.8 | 2273.7 | 2304.0 | 2304.0 | 2317.0 |
| 25° | 2140.0 | 2140.0 | 2148.7 | 2135.8 | 2144.4 | 2161.7 | 2148.7 | 2178.9 |
| 27.5° | 1958.8 | 1976.1 | 1976.1 | 1958.8 | 1967.4 | 2019.2 | 2040.8 | 2006.3 |
| 30° | 1790.6 | 1794.9 | 1807.9 | 1799.3 | 1825.1 | 1842.4 | 1838.0 | 1864.0 |
| 32.5° | 1600.8 | 1622.3 | 1630.9 | 1618.0 | 1626.7 | 1665.4 | 1643.9 | 1639.5 |
| 35° | 1454.1 | 1415.2 | 1411.0 | 1415.2 | 1432.4 | 1441.1 | 1432.4 | 1462.7 |
| 37.5° | 1242.6 | 1229.6 | 1212.3 | 1216.7 | 1229.6 | 1247.0 | 1255.6 | 1277.1 |
| 40° | 1039.8 | 1022.5 | 1022.5 | 1018.3 | 1005.3 | 1052.8 | 1052.8 | 1052.8 |
| 42.5° | 862.9 | 858.6 | 837.1 | 837.1 | 854.3 | 867.2 | 858.6 | 888.8 |
| 45° | 707.6 | 690.4 | 677.3 | 677.3 | 690.4 | 690.4 | 703.4 | 699.0 |
| 47.5° | 556.6 | 539.4 | 543.6 | 530.8 | 543.6 | 560.9 | 539.4 | 543.6 |
| 50° | 418.5 | 418.5 | 409.9 | 418.5 | 414.1 | 418.5 | 409.9 | 401.3 |
| 52.5° | 284.8 | 323.5 | 327.9 | 310.7 | 271.8 | 237.3 | 215.7 | 232.9 |
| 55° | 164.0 | 146.7 | 146.7 | 142.3 | 133.7 | 129.5 | 116.5 | 129.5 |
| 57.5° | 82.0 | 73.4 | 73.4 | 73.4 | 69.0 | 64.7 | 56.1 | 56.1 |
| 60° | 34.5 | 30.3 | 30.3 | 25.9 | 21.6 | 17.2 | 13.0 | 17.2 |
| 62.5° | 13.0 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 |
| 65° | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| 67.5° | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| 70° | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| 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)