

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: **LD4C55D010 EX4C559050 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: LD4C55D010 EX4C559050 4LBSQLWWLI
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBSQLWW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

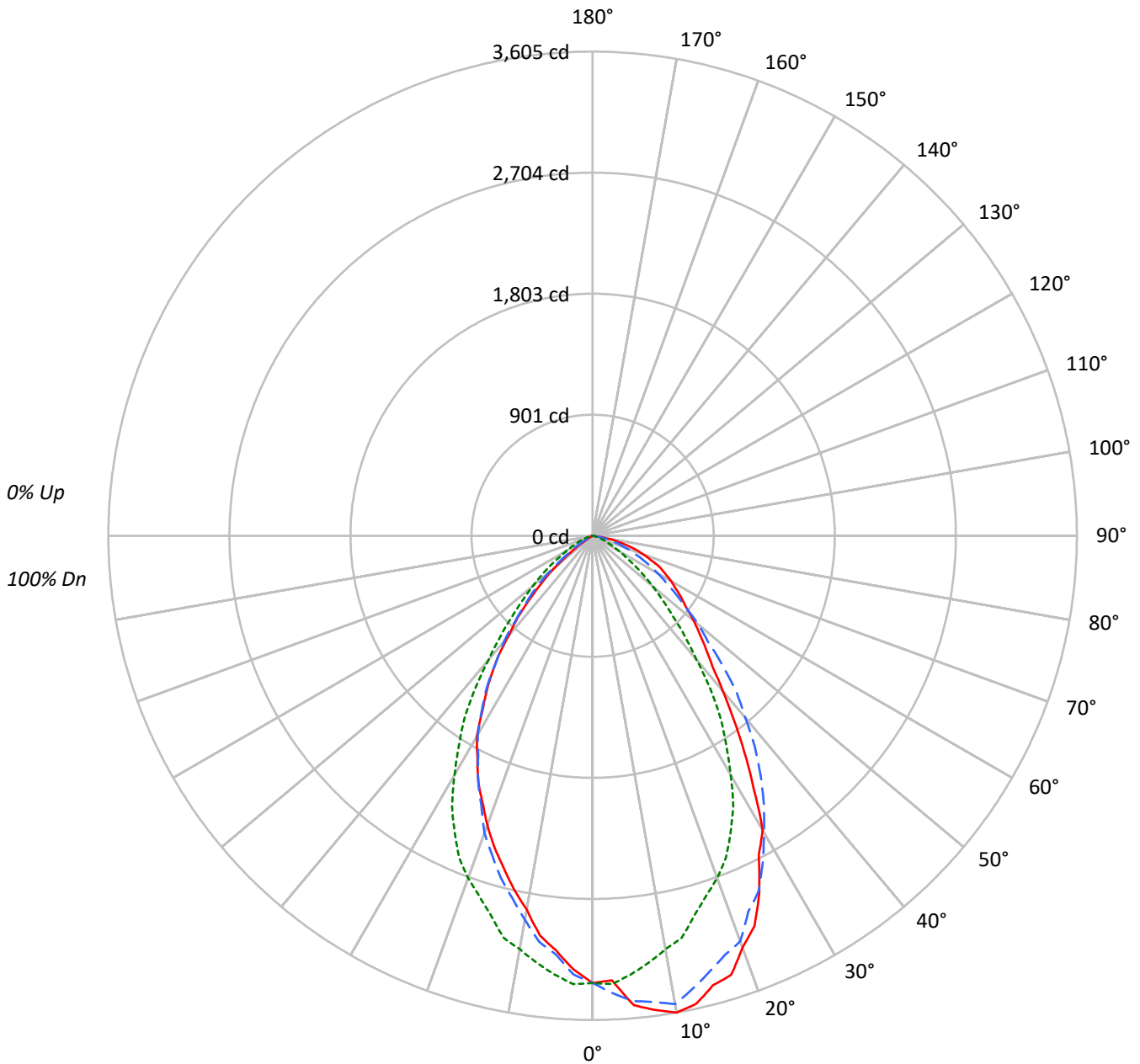
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4772.0 lumens
Efficiency: N/A
Efficacy: 74.7 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): 63.9
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: LD4C55D010 EX4C559050 4LBSQLWWLI

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD4C55D010 EX4C559050 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° | 321221 | 321221 | 321221 |
| 5° | 339844 | 317431 | 300423 |
| 10° | 353169 | 306238 | 276894 |
| 15° | 346108 | 292276 | 255595 |
| 20° | 334875 | 278307 | 235274 |
| 25° | 312365 | 258803 | 214620 |
| 30° | 281971 | 229037 | 192137 |
| 35° | 232272 | 196075 | 159395 |
| 40° | 189553 | 151338 | 122682 |
| 45° | 162874 | 114937 | 88246 |
| 50° | 147408 | 87499 | 55736 |
| 55° | 135638 | 63117 | 20153 |
| 60° | 130202 | 43131 | 3088 |
| 65° | 125754 | 29178 | 936 |
| 70° | 112592 | 20256 | 1157 |
| 75° | 92306 | 10439 | 0 |
| 80° | 57677 | 4445 | 0 |
| 85° | 0 | 0 | 0 |



TEST NUMBER: P#

CATALOG NUMBER: LD4C55D010 EX4C559050 4LBSQLWWLI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 311.9 | 6.5 |
| 10°-20° | 840.3 | 17.6 |
| 20°-30° | 1122.1 | 23.5 |
| 30°-40° | 1065.2 | 22.3 |
| 40°-50° | 736.3 | 15.4 |
| 50°-60° | 406.8 | 8.5 |
| 60°-70° | 202.0 | 4.2 |
| 70°-80° | 79.6 | 1.7 |
| 80°-90° | 7.6 | 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° | 2274.4 | 47.7 |
| 0°-40° | 3339.6 | 70.0 |
| 0°-60° | 4482.8 | 93.9 |
| 0°-90° | 4772.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4772.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3329 | 3329 | 3329 | 3329 | 3329 | |
| 5° | 3509 | 3477 | 3277 | 3130 | 3102 | 336 |
| 15° | 3465 | 3361 | 2926 | 2639 | 2559 | 980 |
| 25° | 2934 | 2922 | 2431 | 2016 | 2016 | 1338 |
| 35° | 1972 | 2179 | 1665 | 1369 | 1353 | 1235 |
| 45° | 1194 | 1369 | 842 | 691 | 647 | 931 |
| 55° | 806 | 758 | 375 | 192 | 120 | 726 |
| 65° | 551 | 399 | 128 | 4 | 4 | 535 |
| 75° | 248 | 152 | 28 | 0 | 0 | 264 |
| 85° | 0 | 4 | 0 | 0 | 0 | 23 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#

CATALOG NUMBER: LD4C55D010 EX4C559050 4LBSQLWWLI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 |
| 2.5° | 3313.1 | 3404.9 | 3412.9 | 3404.9 | 3416.9 | 3412.9 | 3432.9 | 3412.9 | 3437.0 | 3401.0 | 3409.0 |
| 5° | 3508.7 | 3472.8 | 3548.6 | 3508.7 | 3508.7 | 3504.8 | 3492.8 | 3488.7 | 3504.8 | 3452.9 | 3476.8 |
| 7.5° | 3560.7 | 3612.6 | 3680.5 | 3596.6 | 3600.5 | 3600.5 | 3576.6 | 3568.6 | 3568.6 | 3472.8 | 3500.8 |
| 10° | 3604.6 | 3572.6 | 3608.5 | 3576.6 | 3604.6 | 3600.5 | 3616.5 | 3564.6 | 3600.5 | 3544.7 | 3540.7 |
| 12.5° | 3568.6 | 3556.6 | 3604.6 | 3552.7 | 3536.7 | 3540.7 | 3520.8 | 3508.7 | 3520.8 | 3456.8 | 3452.9 |
| 15° | 3464.8 | 3476.8 | 3548.6 | 3492.8 | 3484.8 | 3476.8 | 3452.9 | 3412.9 | 3444.9 | 3357.1 | 3361.1 |
| 17.5° | 3429.0 | 3409.0 | 3421.0 | 3373.0 | 3385.0 | 3377.1 | 3373.0 | 3337.2 | 3329.1 | 3273.2 | 3273.2 |
| 20° | 3261.3 | 3305.1 | 3305.1 | 3273.2 | 3273.2 | 3269.3 | 3217.4 | 3249.3 | 3213.3 | 3197.4 | 3213.3 |
| 22.5° | 3145.5 | 3149.5 | 3149.5 | 3121.5 | 3125.6 | 3109.6 | 3081.6 | 3061.6 | 3081.6 | 3061.6 | 3029.7 |
| 25° | 2934.0 | 2942.0 | 2989.8 | 2937.9 | 2930.0 | 2945.9 | 2922.0 | 2909.9 | 2906.0 | 2858.2 | 2922.0 |
| 27.5° | 2678.5 | 2758.2 | 2754.3 | 2734.3 | 2758.2 | 2726.3 | 2714.4 | 2718.4 | 2730.4 | 2726.3 | 2742.3 |
| 30° | 2530.8 | 2542.7 | 2554.8 | 2538.8 | 2542.7 | 2530.8 | 2530.8 | 2534.8 | 2566.7 | 2554.8 | 2550.7 |
| 32.5° | 2231.4 | 2271.2 | 2303.3 | 2303.3 | 2307.2 | 2319.3 | 2315.2 | 2399.0 | 2419.0 | 2379.1 | 2371.2 |
| 35° | 1971.9 | 1999.9 | 2027.7 | 2031.8 | 2083.7 | 2087.6 | 2091.7 | 2115.6 | 2171.5 | 2183.5 | 2179.4 |
| 37.5° | 1724.5 | 1752.3 | 1760.3 | 1796.3 | 1824.3 | 1852.1 | 1884.2 | 1916.1 | 1963.9 | 2003.8 | 1984.0 |
| 40° | 1504.9 | 1516.8 | 1536.8 | 1552.8 | 1608.6 | 1608.6 | 1624.6 | 1688.5 | 1740.5 | 1772.4 | 1768.3 |
| 42.5° | 1321.3 | 1325.2 | 1341.2 | 1369.2 | 1421.1 | 1409.1 | 1421.1 | 1465.1 | 1540.7 | 1544.8 | 1588.8 |
| 45° | 1193.6 | 1189.5 | 1201.5 | 1205.4 | 1237.5 | 1253.5 | 1261.4 | 1293.3 | 1357.1 | 1365.1 | 1369.2 |
| 47.5° | 1077.8 | 1073.8 | 1093.8 | 1101.8 | 1113.6 | 1129.6 | 1129.6 | 1133.7 | 1157.6 | 1177.6 | 1161.7 |
| 50° | 982.0 | 982.0 | 982.0 | 989.9 | 1010.0 | 1005.9 | 1010.0 | 1025.9 | 1037.8 | 1029.8 | 1025.9 |
| 52.5° | 878.1 | 894.1 | 906.1 | 910.2 | 914.1 | 914.1 | 918.2 | 910.2 | 906.1 | 894.1 | 870.1 |
| 55° | 806.3 | 822.3 | 822.3 | 822.3 | 822.3 | 838.2 | 818.4 | 822.3 | 822.3 | 790.4 | 758.5 |
| 57.5° | 734.6 | 750.5 | 762.4 | 746.4 | 762.4 | 746.4 | 738.5 | 734.6 | 726.4 | 694.5 | 646.7 |
| 60° | 674.7 | 682.6 | 678.6 | 674.7 | 682.6 | 670.6 | 662.6 | 646.7 | 638.7 | 594.7 | 562.8 |
| 62.5° | 606.8 | 610.7 | 614.8 | 606.8 | 598.8 | 594.7 | 578.8 | 554.9 | 538.9 | 502.9 | 475.0 |
| 65° | 550.8 | 538.9 | 534.9 | 530.9 | 523.0 | 510.9 | 499.0 | 471.0 | 459.0 | 427.1 | 399.1 |
| 67.5° | 467.0 | 463.1 | 471.0 | 459.0 | 439.1 | 439.1 | 427.1 | 403.2 | 375.2 | 355.3 | 327.3 |
| 70° | 399.1 | 395.2 | 387.2 | 375.2 | 371.3 | 355.3 | 355.3 | 327.3 | 319.3 | 283.4 | 259.4 |
| 72.5° | 327.3 | 327.3 | 315.3 | 303.4 | 291.4 | 283.4 | 279.5 | 259.4 | 247.6 | 227.5 | 207.5 |
| 75° | 247.6 | 247.6 | 243.5 | 231.5 | 223.5 | 215.5 | 211.6 | 195.6 | 183.6 | 163.7 | 151.7 |
| 77.5° | 175.6 | 175.6 | 159.7 | 151.7 | 155.6 | 147.6 | 139.7 | 135.7 | 131.7 | 119.8 | 103.8 |
| 80° | 103.8 | 99.8 | 87.9 | 91.8 | 87.9 | 87.9 | 83.8 | 79.8 | 71.8 | 63.8 | 55.8 |
| 82.5° | 28.0 | 31.9 | 31.9 | 31.9 | 36.0 | 28.0 | 28.0 | 28.0 | 31.9 | 31.9 | 20.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 4.1 | 4.1 |
| 87.5° | 4.1 | 8.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 12.0 | 12.0 | 12.0 | 8.0 |
| 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: LD4C55D010 EX4C559050 4LBSQLWWLI

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 |
| 2.5° | 3369.1 | 3365.0 | 3369.1 | 3341.1 | 3404.9 | 3357.1 | 3349.1 | 3341.1 | 3369.1 | 3341.1 | 3301.2 |
| 5° | 3440.9 | 3401.0 | 3389.0 | 3377.1 | 3412.9 | 3357.1 | 3345.2 | 3349.1 | 3329.1 | 3277.3 | 3281.2 |
| 7.5° | 3464.8 | 3429.0 | 3393.0 | 3317.2 | 3349.1 | 3337.2 | 3305.1 | 3281.2 | 3249.3 | 3205.4 | 3197.4 |
| 10° | 3472.8 | 3432.9 | 3381.0 | 3357.1 | 3309.2 | 3293.2 | 3281.2 | 3241.3 | 3201.4 | 3125.6 | 3105.6 |
| 12.5° | 3448.9 | 3401.0 | 3337.2 | 3317.2 | 3281.2 | 3229.3 | 3201.4 | 3161.4 | 3125.6 | 3065.7 | 3021.8 |
| 15° | 3345.2 | 3305.1 | 3285.3 | 3217.4 | 3201.4 | 3169.4 | 3113.6 | 3057.7 | 3005.8 | 2925.9 | 2902.0 |
| 17.5° | 3225.4 | 3209.4 | 3189.4 | 3137.5 | 3133.6 | 3101.7 | 3049.7 | 3001.7 | 2934.0 | 2810.2 | 2770.3 |
| 20° | 3101.7 | 3101.7 | 3037.7 | 3017.8 | 3057.7 | 2993.8 | 2953.9 | 2909.9 | 2770.3 | 2710.4 | 2638.6 |
| 22.5° | 3009.9 | 2965.9 | 2930.0 | 2898.0 | 2902.0 | 2862.1 | 2806.2 | 2718.4 | 2666.4 | 2594.7 | 2510.8 |
| 25° | 2830.2 | 2846.1 | 2766.4 | 2754.3 | 2766.4 | 2674.4 | 2646.6 | 2574.6 | 2498.8 | 2430.9 | 2367.1 |
| 27.5° | 2718.4 | 2674.4 | 2622.6 | 2578.7 | 2578.7 | 2542.7 | 2463.0 | 2447.0 | 2331.1 | 2267.3 | 2187.4 |
| 30° | 2550.7 | 2518.8 | 2474.9 | 2411.1 | 2403.1 | 2375.1 | 2311.3 | 2271.2 | 2151.6 | 2055.7 | 2011.8 |
| 32.5° | 2339.1 | 2327.2 | 2291.3 | 2219.5 | 2195.5 | 2163.5 | 2083.7 | 2015.9 | 1960.0 | 1852.1 | 1800.4 |
| 35° | 2187.4 | 2143.6 | 2067.8 | 2007.9 | 1987.9 | 1932.0 | 1868.1 | 1820.2 | 1760.3 | 1664.6 | 1596.7 |
| 37.5° | 1960.0 | 1916.1 | 1844.1 | 1772.4 | 1772.4 | 1716.5 | 1628.6 | 1580.8 | 1497.0 | 1441.0 | 1385.1 |
| 40° | 1760.3 | 1704.5 | 1632.7 | 1548.9 | 1536.8 | 1456.9 | 1421.1 | 1341.2 | 1289.3 | 1201.5 | 1193.6 |
| 42.5° | 1536.8 | 1484.9 | 1421.1 | 1357.1 | 1309.3 | 1269.4 | 1177.6 | 1117.7 | 1061.9 | 1017.9 | 1005.9 |
| 45° | 1333.2 | 1265.3 | 1209.5 | 1129.6 | 1081.7 | 1033.9 | 974.0 | 934.1 | 890.2 | 842.3 | 814.3 |
| 47.5° | 1157.6 | 1101.8 | 1021.8 | 950.1 | 902.2 | 878.1 | 810.3 | 766.5 | 730.5 | 698.6 | 678.6 |
| 50° | 978.1 | 910.2 | 866.2 | 786.3 | 778.3 | 722.5 | 666.7 | 630.7 | 610.7 | 582.9 | 554.9 |
| 52.5° | 842.3 | 778.3 | 718.5 | 658.7 | 626.7 | 606.8 | 554.9 | 518.9 | 491.1 | 471.0 | 455.1 |
| 55° | 710.5 | 654.6 | 606.8 | 546.9 | 526.9 | 499.0 | 439.1 | 431.2 | 403.2 | 375.2 | 355.3 |
| 57.5° | 610.7 | 558.8 | 502.9 | 463.1 | 427.1 | 407.2 | 359.2 | 327.3 | 311.4 | 287.4 | 267.4 |
| 60° | 518.9 | 463.1 | 419.1 | 371.3 | 355.3 | 327.3 | 291.4 | 263.5 | 243.5 | 223.5 | 203.6 |
| 62.5° | 435.1 | 387.2 | 339.4 | 299.3 | 275.4 | 259.4 | 231.5 | 207.5 | 187.7 | 171.7 | 155.6 |
| 65° | 359.2 | 315.3 | 275.4 | 235.5 | 223.5 | 203.6 | 183.6 | 163.7 | 147.6 | 127.8 | 111.8 |
| 67.5° | 295.4 | 255.5 | 215.5 | 187.7 | 175.6 | 167.6 | 143.7 | 123.7 | 111.8 | 99.8 | 83.8 |
| 70° | 231.5 | 203.6 | 171.7 | 147.6 | 135.7 | 123.7 | 107.8 | 95.9 | 79.8 | 71.8 | 59.9 |
| 72.5° | 179.7 | 155.6 | 127.8 | 107.8 | 99.8 | 91.8 | 75.8 | 63.8 | 55.8 | 47.9 | 39.9 |
| 75° | 127.8 | 107.8 | 91.8 | 71.8 | 67.9 | 63.8 | 51.9 | 43.9 | 36.0 | 28.0 | 23.9 |
| 77.5° | 87.9 | 71.8 | 55.8 | 47.9 | 43.9 | 36.0 | 31.9 | 23.9 | 20.0 | 16.0 | 12.0 |
| 80° | 47.9 | 36.0 | 28.0 | 23.9 | 20.0 | 16.0 | 16.0 | 12.0 | 8.0 | 8.0 | 4.1 |
| 82.5° | 16.0 | 12.0 | 8.0 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 0.0 | 4.1 |
| 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° | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 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: LD4C55D010 EX4C559050 4LBSQLWWLI

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 |
| 2.5° | 3325.1 | 3281.2 | 3293.2 | 3293.2 | 3285.3 | 3285.3 | 3277.3 | 3265.2 | 3269.3 | 3245.2 | 3193.5 |
| 5° | 3289.2 | 3233.3 | 3225.4 | 3233.3 | 3201.4 | 3193.5 | 3177.5 | 3201.4 | 3129.5 | 3157.5 | 3125.6 |
| 7.5° | 3185.5 | 3133.6 | 3121.5 | 3149.5 | 3109.6 | 3085.6 | 3081.6 | 3113.6 | 3049.7 | 3017.8 | 2981.9 |
| 10° | 3069.6 | 3049.7 | 3013.8 | 2993.8 | 2981.9 | 2985.8 | 2953.9 | 2914.0 | 2902.0 | 2894.0 | 2862.1 |
| 12.5° | 2965.9 | 2922.0 | 2890.1 | 2866.1 | 2858.2 | 2858.2 | 2806.2 | 2798.3 | 2762.3 | 2754.3 | 2706.5 |
| 15° | 2842.1 | 2790.3 | 2770.3 | 2738.4 | 2710.4 | 2726.3 | 2666.4 | 2650.5 | 2638.6 | 2586.7 | 2594.7 |
| 17.5° | 2734.3 | 2678.5 | 2630.6 | 2610.6 | 2586.7 | 2562.7 | 2506.8 | 2518.8 | 2490.8 | 2490.8 | 2419.0 |
| 20° | 2594.7 | 2534.8 | 2498.8 | 2458.9 | 2458.9 | 2427.0 | 2387.1 | 2391.0 | 2355.1 | 2319.3 | 2255.3 |
| 22.5° | 2447.0 | 2383.1 | 2339.1 | 2323.2 | 2283.3 | 2275.3 | 2227.5 | 2215.4 | 2167.6 | 2171.5 | 2115.6 |
| 25° | 2291.3 | 2227.5 | 2167.6 | 2171.5 | 2135.7 | 2119.7 | 2091.7 | 2035.9 | 2015.9 | 1991.9 | 1976.0 |
| 27.5° | 2107.7 | 2063.7 | 2011.8 | 2007.9 | 1940.0 | 1943.9 | 1908.1 | 1892.2 | 1844.1 | 1856.2 | 1820.2 |
| 30° | 1940.0 | 1876.2 | 1828.2 | 1816.3 | 1788.3 | 1780.3 | 1724.5 | 1700.4 | 1708.6 | 1676.5 | 1656.6 |
| 32.5° | 1768.3 | 1672.6 | 1652.6 | 1628.6 | 1612.7 | 1592.7 | 1552.8 | 1568.7 | 1532.8 | 1540.7 | 1508.8 |
| 35° | 1540.7 | 1500.9 | 1448.9 | 1448.9 | 1433.0 | 1417.0 | 1389.2 | 1405.2 | 1369.2 | 1353.2 | 1321.3 |
| 37.5° | 1349.2 | 1313.4 | 1261.4 | 1277.4 | 1249.4 | 1225.5 | 1201.5 | 1205.4 | 1173.5 | 1169.6 | 1137.6 |
| 40° | 1141.6 | 1121.6 | 1085.8 | 1085.8 | 1065.8 | 1065.8 | 1053.8 | 1041.9 | 1021.8 | 997.9 | 961.9 |
| 42.5° | 946.0 | 930.0 | 914.1 | 918.2 | 890.2 | 914.1 | 882.2 | 902.2 | 838.2 | 834.3 | 810.3 |
| 45° | 802.3 | 766.5 | 770.4 | 754.4 | 738.5 | 746.4 | 718.5 | 726.4 | 690.6 | 682.6 | 658.7 |
| 47.5° | 650.7 | 638.7 | 614.8 | 606.8 | 606.8 | 594.7 | 582.9 | 578.8 | 562.8 | 542.8 | 510.9 |
| 50° | 534.9 | 491.1 | 482.9 | 471.0 | 463.1 | 463.1 | 447.1 | 423.2 | 427.1 | 407.2 | 375.2 |
| 52.5° | 419.1 | 383.2 | 367.2 | 363.3 | 347.3 | 339.4 | 319.3 | 303.4 | 291.4 | 283.4 | 263.5 |
| 55° | 323.3 | 291.4 | 271.5 | 271.5 | 247.6 | 247.6 | 219.6 | 207.5 | 191.6 | 175.6 | 163.7 |
| 57.5° | 243.5 | 227.5 | 207.5 | 191.6 | 183.6 | 163.7 | 147.6 | 127.8 | 115.7 | 91.8 | 75.8 |
| 60° | 183.6 | 167.6 | 147.6 | 135.7 | 127.8 | 107.8 | 87.9 | 71.8 | 43.9 | 36.0 | 31.9 |
| 62.5° | 135.7 | 119.8 | 99.8 | 91.8 | 83.8 | 67.9 | 47.9 | 23.9 | 12.0 | 12.0 | 12.0 |
| 65° | 99.8 | 79.8 | 63.8 | 55.8 | 47.9 | 36.0 | 16.0 | 8.0 | 4.1 | 4.1 | 4.1 |
| 67.5° | 67.9 | 51.9 | 36.0 | 31.9 | 23.9 | 12.0 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 70° | 43.9 | 31.9 | 16.0 | 12.0 | 8.0 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 72.5° | 28.0 | 16.0 | 8.0 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 16.0 | 8.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 8.0 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 4.1 | 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 | 4.1 | 4.1 | 4.1 |
| 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: LD4C55D010 EX4C559050 4LBSQLWWLI

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 | 3329.1 |
| 2.5° | 3249.3 | 3221.3 | 3237.3 | 3201.4 | 3217.4 | 3245.2 | 3225.4 | 3233.3 |
| 5° | 3137.5 | 3121.5 | 3101.7 | 3049.7 | 3089.6 | 3121.5 | 3105.6 | 3101.7 |
| 7.5° | 3017.8 | 2961.9 | 2989.8 | 2973.9 | 2965.9 | 2997.8 | 2961.9 | 3001.7 |
| 10° | 2894.0 | 2854.1 | 2850.2 | 2822.2 | 2822.2 | 2846.1 | 2850.2 | 2826.1 |
| 12.5° | 2710.4 | 2690.5 | 2690.5 | 2686.5 | 2682.4 | 2706.5 | 2710.4 | 2698.5 |
| 15° | 2578.7 | 2570.7 | 2550.7 | 2546.8 | 2522.9 | 2558.7 | 2562.7 | 2558.7 |
| 17.5° | 2419.0 | 2422.9 | 2403.1 | 2403.1 | 2419.0 | 2430.9 | 2399.0 | 2430.9 |
| 20° | 2311.3 | 2291.3 | 2283.3 | 2247.3 | 2267.3 | 2287.3 | 2287.3 | 2291.3 |
| 22.5° | 2155.5 | 2123.6 | 2135.7 | 2115.6 | 2103.6 | 2131.6 | 2131.6 | 2143.6 |
| 25° | 1979.9 | 1979.9 | 1987.9 | 1976.0 | 1984.0 | 1999.9 | 1987.9 | 2015.9 |
| 27.5° | 1812.2 | 1828.2 | 1828.2 | 1812.2 | 1820.2 | 1868.1 | 1888.1 | 1856.2 |
| 30° | 1656.6 | 1660.5 | 1672.6 | 1664.6 | 1688.5 | 1704.5 | 1700.4 | 1724.5 |
| 32.5° | 1481.0 | 1500.9 | 1508.8 | 1497.0 | 1504.9 | 1540.7 | 1520.9 | 1516.8 |
| 35° | 1345.3 | 1309.3 | 1305.4 | 1309.3 | 1325.2 | 1333.2 | 1325.2 | 1353.2 |
| 37.5° | 1149.6 | 1137.6 | 1121.6 | 1125.7 | 1137.6 | 1153.7 | 1161.7 | 1181.5 |
| 40° | 961.9 | 946.0 | 946.0 | 942.1 | 930.0 | 974.0 | 974.0 | 974.0 |
| 42.5° | 798.4 | 794.3 | 774.4 | 774.4 | 790.4 | 802.3 | 794.3 | 822.3 |
| 45° | 654.6 | 638.7 | 626.7 | 626.7 | 638.7 | 638.7 | 650.7 | 646.7 |
| 47.5° | 515.0 | 499.0 | 502.9 | 491.1 | 502.9 | 518.9 | 499.0 | 502.9 |
| 50° | 387.2 | 387.2 | 379.2 | 387.2 | 383.2 | 387.2 | 379.2 | 371.3 |
| 52.5° | 263.5 | 299.3 | 303.4 | 287.4 | 251.5 | 219.6 | 199.6 | 215.5 |
| 55° | 151.7 | 135.7 | 135.7 | 131.7 | 123.7 | 119.8 | 107.8 | 119.8 |
| 57.5° | 75.8 | 67.9 | 67.9 | 67.9 | 63.8 | 59.9 | 51.9 | 51.9 |
| 60° | 31.9 | 28.0 | 28.0 | 23.9 | 20.0 | 16.0 | 12.0 | 16.0 |
| 62.5° | 12.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| 65° | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 67.5° | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 70° | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 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 |



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













(END OF REPORT)