

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: P248419

Luminaire Tested: **LD8B90D010 ER8B909727 8LBDW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13956)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B90D010 ER8B909727 8LBDW0LI
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6898.0 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.33 / 1.2
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

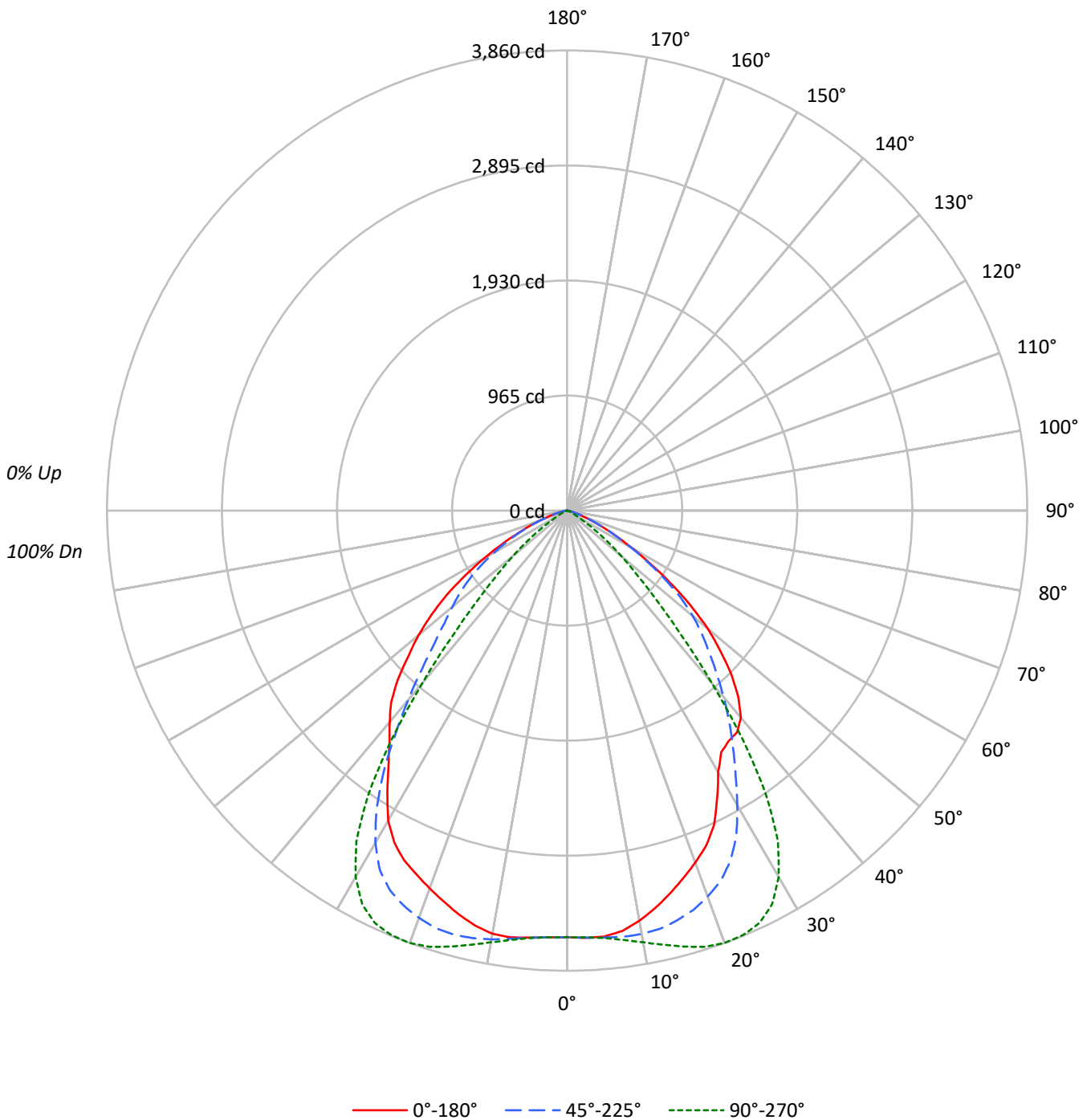
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248419

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Luminous Intensity Polar Plot





TEST NUMBER: P248419

CATALOG NUMBER: LD8B90D010 ER8B909727 8LBDW0LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 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 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 92 | 90 |
| 2 | 104 | 98 | 92 | 88 | 102 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 84 | 81 | 79 |
| 3 | 97 | 88 | 82 | 76 | 94 | 87 | 81 | 76 | 84 | 79 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 |
| 4 | 90 | 80 | 73 | 67 | 88 | 79 | 72 | 67 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 68 | 64 | 62 |
| 5 | 84 | 73 | 65 | 60 | 82 | 72 | 65 | 59 | 70 | 63 | 59 | 68 | 62 | 58 | 66 | 61 | 58 | 56 |
| 6 | 78 | 66 | 59 | 53 | 76 | 66 | 58 | 53 | 64 | 57 | 53 | 62 | 57 | 52 | 61 | 56 | 52 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 48 | 57 | 52 | 47 | 56 | 51 | 47 | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 51 | 44 | 40 | 50 | 44 | 39 | 49 | 44 | 39 | 48 | 43 | 39 | 38 |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--|-----|------|
| 0° | Luminaire represents a point source (luminous area is zero). | | |
| 5° | No luminance values can be calculated. | | |
| 10° | | | |
| 15° | | | |
| 20° | | | |
| 25° | | | |
| 30° | | | |
| 35° | | | |
| 40° | | | |
| 45° | | | |
| 50° | | | |
| 55° | | | |
| 60° | | | |
| 65° | | | |
| 70° | | | |
| 75° | | | |
| 80° | | | |
| 85° | | | |



TEST NUMBER: P248419

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 344.1 | 5.0 |
| 10°-20° | 1019.5 | 14.8 |
| 20°-30° | 1555.3 | 22.5 |
| 30°-40° | 1623.0 | 23.5 |
| 40°-50° | 1219.1 | 17.7 |
| 50°-60° | 750.1 | 10.9 |
| 60°-70° | 305.2 | 4.4 |
| 70°-80° | 71.9 | 1.0 |
| 80°-90° | 9.9 | 0.1 |
| 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° | 2918.9 | 42.3 |
| 0°-40° | 4541.8 | 65.8 |
| 0°-60° | 6510.9 | 94.4 |
| 0°-90° | 6898.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6898.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3578 | 3578 | 3578 | 3578 | 3578 | |
| 5° | 3586 | 3596 | 3599 | 3596 | 3596 | 339 |
| 15° | 3326 | 3560 | 3786 | 3681 | 3508 | 937 |
| 25° | 2914 | 3240 | 3818 | 3516 | 3237 | 1325 |
| 35° | 2361 | 2427 | 2908 | 2688 | 2612 | 1491 |
| 45° | 1949 | 1687 | 1052 | 1571 | 2010 | 1487 |
| 55° | 1052 | 999 | 275 | 999 | 1233 | 946 |
| 65° | 329 | 332 | 42 | 446 | 473 | 343 |
| 75° | 57 | 57 | 8 | 101 | 104 | 69 |
| 85° | 6 | 6 | 2 | 13 | 17 | 8 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 |
| 2.5° | 3588.0 | 3582.2 | 3588.0 | 3588.0 | 3589.9 | 3586.1 | 3588.0 | 3589.9 | 3586.1 | 3586.1 | 3586.1 |
| 5° | 3586.1 | 3582.2 | 3586.1 | 3584.2 | 3588.0 | 3588.0 | 3591.8 | 3591.8 | 3595.5 | 3595.5 | 3601.3 |
| 7.5° | 3555.7 | 3548.1 | 3555.7 | 3561.4 | 3565.1 | 3572.8 | 3582.2 | 3589.9 | 3597.4 | 3605.1 | 3614.5 |
| 10° | 3493.0 | 3493.0 | 3498.7 | 3510.1 | 3521.5 | 3534.8 | 3551.9 | 3570.9 | 3589.9 | 3606.9 | 3624.0 |
| 12.5° | 3415.1 | 3409.4 | 3420.8 | 3436.0 | 3453.1 | 3474.0 | 3500.6 | 3529.1 | 3559.5 | 3593.6 | 3620.3 |
| 15° | 3325.8 | 3320.1 | 3333.4 | 3348.6 | 3369.5 | 3399.9 | 3432.2 | 3470.2 | 3513.9 | 3559.5 | 3603.2 |
| 17.5° | 3234.7 | 3232.8 | 3246.0 | 3267.0 | 3284.1 | 3316.3 | 3358.1 | 3403.7 | 3453.1 | 3513.9 | 3570.9 |
| 20° | 3141.6 | 3139.7 | 3153.0 | 3170.1 | 3192.9 | 3223.3 | 3265.1 | 3318.2 | 3377.1 | 3445.5 | 3512.0 |
| 22.5° | 3044.7 | 3046.6 | 3058.0 | 3077.0 | 3096.0 | 3128.3 | 3172.0 | 3225.2 | 3289.7 | 3363.8 | 3437.9 |
| 25° | 2913.7 | 2904.2 | 2919.4 | 2938.4 | 2970.6 | 2997.2 | 3039.0 | 3096.0 | 3162.5 | 3240.4 | 3327.8 |
| 27.5° | 2723.7 | 2721.8 | 2735.1 | 2752.2 | 2780.7 | 2813.0 | 2858.6 | 2917.5 | 2987.7 | 3073.2 | 3158.7 |
| 30° | 2533.8 | 2537.6 | 2543.3 | 2560.4 | 2579.4 | 2611.7 | 2657.3 | 2706.7 | 2773.1 | 2854.8 | 2946.0 |
| 32.5° | 2404.6 | 2404.6 | 2412.2 | 2423.6 | 2436.9 | 2454.0 | 2486.3 | 2522.4 | 2573.7 | 2630.7 | 2697.1 |
| 35° | 2360.9 | 2353.4 | 2360.9 | 2362.8 | 2364.7 | 2368.6 | 2374.2 | 2385.7 | 2402.7 | 2427.4 | 2452.1 |
| 37.5° | 2342.0 | 2336.3 | 2336.3 | 2328.7 | 2319.2 | 2307.8 | 2292.6 | 2275.5 | 2256.5 | 2231.8 | 2212.8 |
| 40° | 2267.9 | 2264.1 | 2260.3 | 2252.7 | 2231.8 | 2209.0 | 2184.3 | 2144.4 | 2100.7 | 2039.9 | 1979.2 |
| 42.5° | 2125.4 | 2121.6 | 2119.7 | 2104.5 | 2085.5 | 2058.9 | 2030.4 | 1988.7 | 1933.6 | 1855.7 | 1768.3 |
| 45° | 1948.8 | 1941.2 | 1935.5 | 1922.2 | 1908.9 | 1886.1 | 1859.5 | 1821.5 | 1766.4 | 1686.7 | 1582.2 |
| 47.5° | 1743.7 | 1739.8 | 1737.9 | 1732.3 | 1719.0 | 1705.6 | 1688.6 | 1658.2 | 1608.8 | 1532.8 | 1424.6 |
| 50° | 1536.6 | 1529.0 | 1532.8 | 1530.9 | 1525.2 | 1515.7 | 1504.3 | 1483.4 | 1445.4 | 1377.1 | 1278.3 |
| 52.5° | 1299.2 | 1299.2 | 1297.3 | 1303.0 | 1304.9 | 1303.0 | 1304.9 | 1282.1 | 1249.8 | 1198.5 | 1114.9 |
| 55° | 1052.2 | 1052.2 | 1058.0 | 1065.6 | 1073.2 | 1075.1 | 1073.2 | 1063.7 | 1040.9 | 999.1 | 925.0 |
| 57.5° | 820.5 | 816.8 | 828.1 | 839.5 | 847.1 | 854.7 | 849.0 | 841.4 | 828.1 | 793.9 | 737.0 |
| 60° | 624.9 | 624.9 | 632.5 | 640.1 | 647.7 | 655.3 | 653.4 | 651.5 | 640.1 | 617.3 | 571.7 |
| 62.5° | 459.6 | 461.5 | 461.5 | 467.3 | 474.8 | 482.5 | 488.1 | 482.5 | 476.7 | 461.5 | 431.1 |
| 65° | 328.6 | 326.7 | 328.6 | 334.3 | 340.0 | 347.6 | 351.4 | 349.5 | 343.8 | 332.4 | 309.6 |
| 67.5° | 220.3 | 218.4 | 226.0 | 227.9 | 231.7 | 239.3 | 237.4 | 239.3 | 237.4 | 227.9 | 209.0 |
| 70° | 144.4 | 140.5 | 144.4 | 142.4 | 148.2 | 150.1 | 153.8 | 155.7 | 153.8 | 148.2 | 142.4 |
| 72.5° | 89.3 | 87.4 | 89.3 | 91.2 | 93.1 | 94.9 | 98.8 | 98.8 | 96.9 | 93.1 | 85.5 |
| 75° | 57.0 | 51.3 | 53.2 | 49.4 | 53.2 | 53.2 | 57.0 | 58.9 | 57.0 | 57.0 | 53.2 |
| 77.5° | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 36.1 | 38.0 | 34.2 | 32.3 |
| 80° | 17.1 | 17.1 | 19.0 | 19.0 | 19.0 | 20.9 | 19.0 | 19.0 | 19.0 | 20.9 | 15.2 |
| 82.5° | 13.3 | 11.4 | 11.4 | 11.4 | 13.3 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 |
| 85° | 5.7 | 7.6 | 5.7 | 3.8 | 5.7 | 5.7 | 7.6 | 5.7 | 5.7 | 5.7 | 7.6 |
| 87.5° | 1.9 | 1.9 | 0.0 | 0.0 | 0.0 | 1.9 | 0.0 | 1.9 | 1.9 | 3.8 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 |
| 2.5° | 3588.0 | 3584.2 | 3584.2 | 3582.2 | 3586.1 | 3582.2 | 3584.2 | 3582.2 | 3582.2 | 3586.1 | 3582.2 |
| 5° | 3601.3 | 3603.2 | 3599.4 | 3597.4 | 3603.2 | 3603.2 | 3603.2 | 3599.4 | 3599.4 | 3601.3 | 3599.4 |
| 7.5° | 3620.3 | 3624.0 | 3625.9 | 3627.8 | 3631.7 | 3633.6 | 3633.6 | 3631.7 | 3629.7 | 3635.5 | 3627.8 |
| 10° | 3641.1 | 3646.8 | 3658.2 | 3664.0 | 3673.4 | 3673.4 | 3677.2 | 3677.2 | 3673.4 | 3677.2 | 3675.3 |
| 12.5° | 3633.6 | 3667.7 | 3686.7 | 3700.0 | 3713.3 | 3724.7 | 3728.5 | 3730.4 | 3728.5 | 3736.1 | 3728.5 |
| 15° | 3646.8 | 3675.3 | 3705.7 | 3728.5 | 3753.2 | 3766.5 | 3770.3 | 3785.5 | 3789.3 | 3791.2 | 3779.8 |
| 17.5° | 3625.9 | 3677.2 | 3709.5 | 3743.7 | 3779.8 | 3804.5 | 3827.3 | 3836.8 | 3838.7 | 3842.5 | 3827.3 |
| 20° | 3578.4 | 3635.5 | 3684.8 | 3734.2 | 3776.0 | 3814.0 | 3833.0 | 3859.6 | 3852.0 | 3867.2 | 3846.3 |
| 22.5° | 3513.9 | 3578.4 | 3641.1 | 3705.7 | 3749.4 | 3795.0 | 3834.9 | 3853.9 | 3863.4 | 3863.4 | 3840.6 |
| 25° | 3411.3 | 3487.3 | 3555.7 | 3622.1 | 3688.6 | 3743.7 | 3789.3 | 3817.8 | 3823.5 | 3821.6 | 3795.0 |
| 27.5° | 3251.8 | 3333.4 | 3413.2 | 3489.2 | 3570.9 | 3635.5 | 3688.6 | 3722.8 | 3732.3 | 3732.3 | 3703.8 |
| 30° | 3031.4 | 3118.8 | 3196.7 | 3287.8 | 3371.4 | 3443.6 | 3517.7 | 3548.1 | 3565.1 | 3565.1 | 3532.9 |
| 32.5° | 2769.3 | 2843.4 | 2915.6 | 3004.8 | 3096.0 | 3177.7 | 3248.0 | 3289.7 | 3310.6 | 3308.7 | 3280.3 |
| 35° | 2484.4 | 2520.5 | 2575.6 | 2642.1 | 2723.7 | 2799.7 | 2868.1 | 2908.0 | 2944.1 | 2942.1 | 2915.6 |
| 37.5° | 2199.5 | 2190.0 | 2195.7 | 2220.4 | 2271.7 | 2324.9 | 2378.0 | 2416.1 | 2446.4 | 2459.7 | 2454.0 |
| 40° | 1920.3 | 1870.9 | 1823.4 | 1806.3 | 1810.1 | 1829.1 | 1857.6 | 1886.1 | 1920.3 | 1937.4 | 1945.0 |
| 42.5° | 1669.6 | 1586.0 | 1502.4 | 1439.7 | 1403.6 | 1392.3 | 1405.5 | 1415.0 | 1435.9 | 1460.6 | 1485.3 |
| 45° | 1468.2 | 1356.2 | 1246.0 | 1149.1 | 1088.4 | 1052.2 | 1044.7 | 1052.2 | 1063.7 | 1088.4 | 1120.7 |
| 47.5° | 1303.0 | 1171.9 | 1048.5 | 940.2 | 850.9 | 803.5 | 790.2 | 786.4 | 797.7 | 820.5 | 864.2 |
| 50° | 1156.7 | 1025.7 | 888.9 | 763.5 | 670.5 | 617.3 | 598.3 | 590.7 | 604.0 | 621.1 | 661.0 |
| 52.5° | 997.2 | 868.0 | 727.5 | 605.9 | 509.0 | 454.0 | 433.1 | 421.7 | 429.2 | 452.1 | 491.9 |
| 55° | 824.3 | 704.7 | 577.4 | 452.1 | 359.0 | 307.7 | 283.0 | 275.4 | 283.0 | 307.7 | 347.6 |
| 57.5° | 651.5 | 550.8 | 444.4 | 326.7 | 243.1 | 191.8 | 167.1 | 159.5 | 180.5 | 189.9 | 231.7 |
| 60° | 509.0 | 427.4 | 336.2 | 239.3 | 167.1 | 127.2 | 102.6 | 96.9 | 106.4 | 123.4 | 157.6 |
| 62.5° | 381.8 | 330.5 | 258.3 | 170.9 | 123.4 | 81.7 | 68.4 | 62.7 | 68.4 | 81.7 | 108.3 |
| 65° | 277.3 | 237.4 | 180.5 | 125.3 | 83.6 | 60.8 | 45.6 | 41.8 | 47.5 | 57.0 | 79.8 |
| 67.5° | 189.9 | 159.5 | 125.3 | 87.4 | 57.0 | 38.0 | 32.3 | 32.3 | 34.2 | 41.8 | 58.9 |
| 70° | 123.4 | 104.5 | 79.8 | 57.0 | 38.0 | 28.5 | 24.7 | 20.9 | 24.7 | 30.4 | 39.9 |
| 72.5° | 77.9 | 66.5 | 51.3 | 39.9 | 28.5 | 20.9 | 17.1 | 15.2 | 19.0 | 22.8 | 30.4 |
| 75° | 47.5 | 36.1 | 26.6 | 20.9 | 15.2 | 15.2 | 15.2 | 7.6 | 9.5 | 15.2 | 19.0 |
| 77.5° | 28.5 | 24.7 | 20.9 | 17.1 | 13.3 | 7.6 | 7.6 | 7.6 | 9.5 | 11.4 | 17.1 |
| 80° | 15.2 | 13.3 | 9.5 | 9.5 | 7.6 | 5.7 | 7.6 | 5.7 | 3.8 | 9.5 | 11.4 |
| 82.5° | 9.5 | 7.6 | 7.6 | 7.6 | 9.5 | 3.8 | 5.7 | 3.8 | 5.7 | 7.6 | 5.7 |
| 85° | 5.7 | 5.7 | 5.7 | 3.8 | 9.5 | 3.8 | 3.8 | 1.9 | 1.9 | 3.8 | 3.8 |
| 87.5° | 0.0 | 1.9 | 1.9 | 0.0 | 1.9 | 0.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 | 3578.4 |
| 2.5° | 3584.2 | 3582.2 | 3584.2 | 3582.2 | 3582.2 | 3582.2 | 3584.2 | 3584.2 | 3582.2 | 3582.2 | 3586.1 |
| 5° | 3599.4 | 3599.4 | 3599.4 | 3597.4 | 3595.5 | 3595.5 | 3599.4 | 3599.4 | 3593.6 | 3599.4 | 3599.4 |
| 7.5° | 3631.7 | 3625.9 | 3631.7 | 3624.0 | 3620.3 | 3622.1 | 3624.0 | 3620.3 | 3616.5 | 3618.4 | 3618.4 |
| 10° | 3673.4 | 3667.7 | 3667.7 | 3662.0 | 3656.3 | 3652.5 | 3648.8 | 3639.2 | 3629.7 | 3627.8 | 3620.3 |
| 12.5° | 3722.8 | 3713.3 | 3707.6 | 3696.2 | 3686.7 | 3673.4 | 3662.0 | 3646.8 | 3627.8 | 3614.5 | 3601.3 |
| 15° | 3772.2 | 3757.0 | 3743.7 | 3724.7 | 3703.8 | 3681.0 | 3656.3 | 3631.7 | 3601.3 | 3574.7 | 3551.9 |
| 17.5° | 3812.1 | 3791.2 | 3766.5 | 3736.1 | 3705.7 | 3671.5 | 3635.5 | 3599.4 | 3555.7 | 3521.5 | 3494.9 |
| 20° | 3825.4 | 3795.0 | 3762.7 | 3722.8 | 3682.9 | 3635.5 | 3589.9 | 3542.4 | 3493.0 | 3456.9 | 3426.5 |
| 22.5° | 3808.3 | 3772.2 | 3732.3 | 3690.5 | 3637.3 | 3586.1 | 3532.9 | 3477.8 | 3434.1 | 3384.7 | 3356.2 |
| 25° | 3760.8 | 3717.1 | 3673.4 | 3624.0 | 3572.8 | 3515.8 | 3458.8 | 3401.8 | 3348.6 | 3322.0 | 3286.0 |
| 27.5° | 3664.0 | 3616.5 | 3569.0 | 3517.7 | 3458.8 | 3401.8 | 3342.9 | 3287.8 | 3242.3 | 3206.2 | 3185.3 |
| 30° | 3493.0 | 3437.9 | 3382.8 | 3327.8 | 3276.4 | 3217.6 | 3162.5 | 3116.9 | 3071.3 | 3042.8 | 3021.9 |
| 32.5° | 3230.9 | 3181.5 | 3126.4 | 3073.2 | 3025.8 | 2976.4 | 2930.8 | 2890.9 | 2858.6 | 2839.6 | 2824.4 |
| 35° | 2877.6 | 2828.2 | 2786.4 | 2748.4 | 2708.5 | 2687.7 | 2659.2 | 2636.3 | 2623.1 | 2615.5 | 2613.6 |
| 37.5° | 2433.1 | 2404.6 | 2391.3 | 2383.8 | 2376.1 | 2370.5 | 2374.2 | 2383.8 | 2391.3 | 2404.6 | 2419.8 |
| 40° | 1958.3 | 1983.0 | 1990.6 | 2017.2 | 2041.8 | 2074.1 | 2110.2 | 2152.0 | 2186.2 | 2229.9 | 2260.3 |
| 42.5° | 1525.2 | 1570.8 | 1624.0 | 1681.0 | 1741.7 | 1800.6 | 1872.8 | 1939.3 | 2000.1 | 2055.1 | 2102.6 |
| 45° | 1171.9 | 1242.2 | 1322.0 | 1403.6 | 1485.3 | 1570.8 | 1658.2 | 1739.8 | 1812.0 | 1870.9 | 1920.3 |
| 47.5° | 913.6 | 991.5 | 1094.1 | 1194.7 | 1293.5 | 1394.2 | 1491.0 | 1576.5 | 1637.3 | 1694.2 | 1737.9 |
| 50° | 723.7 | 812.9 | 925.0 | 1040.9 | 1149.1 | 1255.5 | 1358.0 | 1437.8 | 1498.6 | 1544.2 | 1576.5 |
| 52.5° | 560.3 | 666.7 | 780.6 | 902.2 | 1018.1 | 1133.9 | 1228.9 | 1303.0 | 1352.4 | 1392.3 | 1416.9 |
| 55° | 417.9 | 522.3 | 643.9 | 769.3 | 887.0 | 999.1 | 1088.4 | 1153.0 | 1196.6 | 1219.4 | 1232.7 |
| 57.5° | 302.0 | 397.0 | 518.5 | 643.9 | 750.2 | 856.6 | 928.8 | 987.7 | 1012.4 | 1025.7 | 1031.4 |
| 60° | 220.3 | 307.7 | 416.0 | 524.2 | 624.9 | 710.4 | 773.1 | 812.9 | 831.9 | 839.5 | 837.6 |
| 62.5° | 161.5 | 237.4 | 330.5 | 421.7 | 503.3 | 573.6 | 623.0 | 649.6 | 659.1 | 662.9 | 657.2 |
| 65° | 123.4 | 182.3 | 262.1 | 332.4 | 395.1 | 446.3 | 482.5 | 499.6 | 505.2 | 503.3 | 499.6 |
| 67.5° | 91.2 | 136.8 | 195.7 | 248.8 | 294.4 | 334.3 | 353.3 | 368.5 | 372.3 | 366.6 | 360.9 |
| 70° | 64.6 | 100.7 | 142.4 | 178.6 | 212.7 | 235.5 | 256.4 | 258.3 | 258.3 | 256.4 | 252.6 |
| 72.5° | 45.6 | 70.3 | 96.9 | 121.6 | 142.4 | 159.5 | 167.1 | 172.8 | 170.9 | 169.0 | 165.3 |
| 75° | 30.4 | 43.7 | 70.3 | 76.0 | 94.9 | 100.7 | 108.3 | 108.3 | 110.1 | 104.5 | 104.5 |
| 77.5° | 19.0 | 30.4 | 41.8 | 49.4 | 57.0 | 64.6 | 68.4 | 68.4 | 70.3 | 68.4 | 68.4 |
| 80° | 11.4 | 19.0 | 22.8 | 34.2 | 34.2 | 39.9 | 41.8 | 43.7 | 39.9 | 45.6 | 39.9 |
| 82.5° | 7.6 | 11.4 | 17.1 | 17.1 | 20.9 | 24.7 | 24.7 | 26.6 | 26.6 | 24.7 | 24.7 |
| 85° | 5.7 | 7.6 | 9.5 | 11.4 | 11.4 | 13.3 | 11.4 | 11.4 | 13.3 | 15.2 | 13.3 |
| 87.5° | 1.9 | 3.8 | 1.9 | 3.8 | 3.8 | 7.6 | 5.7 | 5.7 | 5.7 | 7.6 | 7.6 |
| 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: P248419

CATALOG NUMBER: LD8B90D010 ER8B909727 8LBDW0LI

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 3578.4 | 3578.4 | 3578.4 | 3578.4 |
| 2.5° | 3582.2 | 3584.2 | 3582.2 | 3582.2 |
| 5° | 3599.4 | 3597.4 | 3599.4 | 3595.5 |
| 7.5° | 3612.6 | 3612.6 | 3610.7 | 3610.7 |
| 10° | 3612.6 | 3605.1 | 3605.1 | 3605.1 |
| 12.5° | 3584.2 | 3574.7 | 3569.0 | 3565.1 |
| 15° | 3534.8 | 3517.7 | 3510.1 | 3508.2 |
| 17.5° | 3470.2 | 3455.0 | 3445.5 | 3439.8 |
| 20° | 3396.1 | 3380.9 | 3369.5 | 3371.4 |
| 22.5° | 3331.5 | 3314.5 | 3306.8 | 3303.0 |
| 25° | 3267.0 | 3246.0 | 3240.4 | 3236.6 |
| 27.5° | 3162.5 | 3151.1 | 3145.4 | 3139.7 |
| 30° | 3002.9 | 2997.2 | 2987.7 | 3001.0 |
| 32.5° | 2818.7 | 2809.2 | 2801.6 | 2807.3 |
| 35° | 2615.5 | 2609.8 | 2615.5 | 2611.7 |
| 37.5° | 2429.3 | 2435.0 | 2442.6 | 2446.4 |
| 40° | 2283.1 | 2304.0 | 2311.6 | 2315.3 |
| 42.5° | 2136.8 | 2161.5 | 2176.7 | 2186.2 |
| 45° | 1956.4 | 1981.0 | 1998.1 | 2009.6 |
| 47.5° | 1770.2 | 1791.1 | 1808.2 | 1806.3 |
| 50° | 1601.2 | 1612.6 | 1620.2 | 1627.8 |
| 52.5° | 1430.2 | 1430.2 | 1432.1 | 1432.1 |
| 55° | 1236.5 | 1232.7 | 1230.8 | 1232.7 |
| 57.5° | 1023.8 | 1020.0 | 1018.1 | 1012.4 |
| 60° | 830.0 | 818.7 | 811.0 | 811.0 |
| 62.5° | 649.6 | 636.3 | 630.6 | 628.7 |
| 65° | 488.1 | 486.2 | 474.8 | 472.9 |
| 67.5° | 353.3 | 345.7 | 338.1 | 340.0 |
| 70° | 248.8 | 237.4 | 237.4 | 233.6 |
| 72.5° | 161.5 | 155.7 | 153.8 | 153.8 |
| 75° | 100.7 | 100.7 | 96.9 | 104.5 |
| 77.5° | 66.5 | 66.5 | 64.6 | 66.5 |
| 80° | 39.9 | 39.9 | 39.9 | 38.0 |
| 82.5° | 24.7 | 26.6 | 24.7 | 24.7 |
| 85° | 13.3 | 15.2 | 11.4 | 17.1 |
| 87.5° | 7.6 | 9.5 | 7.6 | 9.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)