

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: P249183

Luminaire Tested: **LD8B80D010 ER8B80930 8LBDW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13957)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B80D010 ER8B80930 8LBDW0H
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7008.5 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

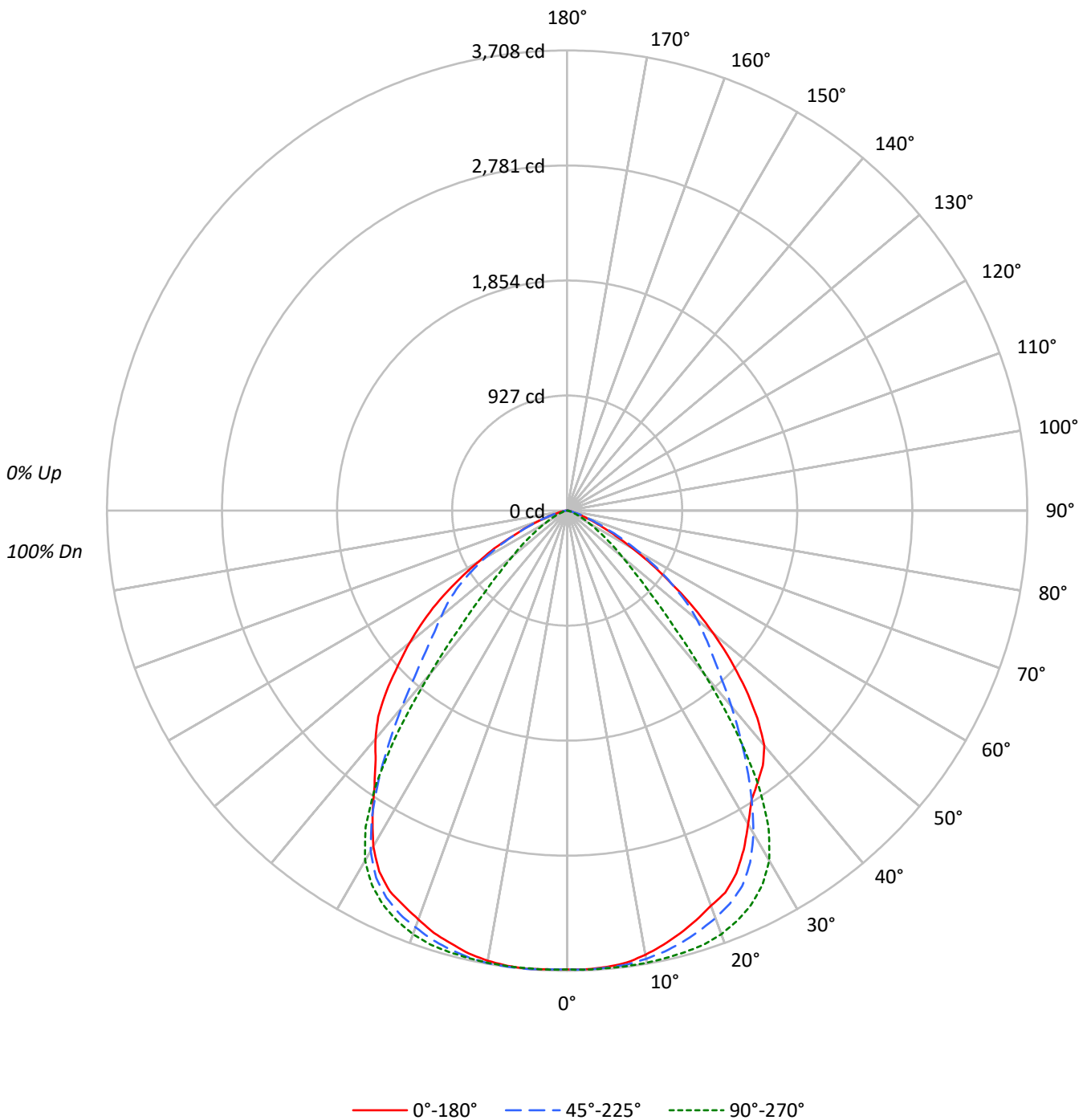
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249183

CATALOG NUMBER: LD8B80D010 ER8B80930 8LBDW0H

Luminous Intensity Polar Plot





TEST NUMBER: P249183

CATALOG NUMBER: LD8B80D010 ER8B80930 8LBDW0H

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 | 91 | 90 |
| 2 | 104 | 97 | 92 | 88 | 101 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 83 | 81 | 79 |
| 3 | 96 | 88 | 81 | 76 | 94 | 86 | 80 | 75 | 84 | 78 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 |
| 4 | 89 | 80 | 72 | 67 | 87 | 78 | 72 | 66 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 67 | 64 | 62 |
| 5 | 83 | 72 | 65 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 68 | 62 | 58 | 66 | 61 | 57 | 55 |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 50 |
| 7 | 72 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 41 |
| 9 | 64 | 52 | 44 | 39 | 62 | 51 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 37 |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 40 | 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° | | | |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 352.9 | 5.0 |
| 10°-20° | 1024.9 | 14.6 |
| 20°-30° | 1555.6 | 22.2 |
| 30°-40° | 1633.8 | 23.3 |
| 40°-50° | 1224.9 | 17.5 |
| 50°-60° | 785.9 | 11.2 |
| 60°-70° | 336.2 | 4.8 |
| 70°-80° | 79.4 | 1.1 |
| 80°-90° | 14.8 | 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° | 2933.4 | 41.9 |
| 0°-40° | 4567.2 | 65.2 |
| 0°-60° | 6578.1 | 93.9 |
| 0°-90° | 7008.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 7008.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3698 | 3698 | 3698 | 3698 | 3698 | |
| 5° | 3692 | 3698 | 3702 | 3708 | 3706 | 351 |
| 15° | 3525 | 3599 | 3682 | 3658 | 3612 | 994 |
| 25° | 3226 | 3339 | 3507 | 3444 | 3384 | 1474 |
| 35° | 2676 | 2527 | 2678 | 2646 | 2705 | 1679 |
| 45° | 2032 | 1661 | 955 | 1614 | 2060 | 1557 |
| 55° | 1028 | 1028 | 355 | 1072 | 1252 | 933 |
| 65° | 310 | 365 | 113 | 470 | 478 | 331 |
| 75° | 48 | 56 | 16 | 95 | 93 | 69 |
| 85° | 16 | 10 | 8 | 16 | 22 | 17 |
| 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° | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 |
| 2.5° | 3699.9 | 3703.8 | 3701.8 | 3701.8 | 3699.9 | 3701.8 | 3701.8 | 3705.8 | 3705.8 | 3701.8 | 3699.9 |
| 5° | 3691.9 | 3695.8 | 3695.8 | 3691.9 | 3691.9 | 3701.8 | 3695.8 | 3699.9 | 3699.9 | 3697.8 | 3697.8 |
| 7.5° | 3674.0 | 3674.0 | 3681.9 | 3676.0 | 3676.0 | 3681.9 | 3679.9 | 3683.9 | 3687.9 | 3689.9 | 3689.9 |
| 10° | 3634.3 | 3638.3 | 3640.2 | 3640.2 | 3642.2 | 3648.2 | 3652.2 | 3660.2 | 3664.1 | 3668.0 | 3670.0 |
| 12.5° | 3584.7 | 3590.7 | 3592.6 | 3590.7 | 3596.6 | 3604.6 | 3614.4 | 3624.4 | 3630.4 | 3638.3 | 3644.3 |
| 15° | 3525.1 | 3525.1 | 3529.1 | 3535.1 | 3539.0 | 3551.0 | 3560.9 | 3572.7 | 3588.7 | 3598.6 | 3608.5 |
| 17.5° | 3459.6 | 3463.7 | 3469.6 | 3469.6 | 3477.6 | 3497.3 | 3503.3 | 3521.2 | 3539.0 | 3549.0 | 3568.8 |
| 20° | 3388.2 | 3392.1 | 3398.1 | 3402.1 | 3412.0 | 3427.9 | 3439.8 | 3455.7 | 3475.5 | 3493.4 | 3513.2 |
| 22.5° | 3332.6 | 3324.7 | 3328.6 | 3332.6 | 3342.6 | 3356.4 | 3370.3 | 3390.1 | 3410.0 | 3427.9 | 3447.7 |
| 25° | 3225.5 | 3227.4 | 3233.4 | 3237.3 | 3249.2 | 3261.1 | 3277.0 | 3300.8 | 3318.7 | 3338.6 | 3360.4 |
| 27.5° | 3080.5 | 3082.5 | 3092.4 | 3092.4 | 3102.4 | 3122.2 | 3132.1 | 3152.0 | 3175.8 | 3195.6 | 3221.5 |
| 30° | 2915.8 | 2919.8 | 2919.8 | 2927.7 | 2933.7 | 2943.5 | 2953.5 | 2973.3 | 2985.2 | 3003.2 | 3038.9 |
| 32.5° | 2764.9 | 2768.9 | 2766.9 | 2764.9 | 2759.0 | 2757.0 | 2755.0 | 2759.0 | 2762.9 | 2768.9 | 2782.8 |
| 35° | 2675.6 | 2665.6 | 2657.8 | 2643.9 | 2628.0 | 2608.1 | 2590.3 | 2566.4 | 2544.6 | 2526.7 | 2506.9 |
| 37.5° | 2590.3 | 2588.3 | 2576.4 | 2556.6 | 2524.7 | 2489.1 | 2447.4 | 2395.8 | 2344.1 | 2288.5 | 2234.9 |
| 40° | 2471.1 | 2465.2 | 2455.3 | 2427.5 | 2391.8 | 2348.0 | 2292.6 | 2229.0 | 2145.6 | 2060.3 | 1973.0 |
| 42.5° | 2268.7 | 2270.7 | 2258.8 | 2237.0 | 2203.2 | 2161.5 | 2104.0 | 2034.5 | 1945.2 | 1843.9 | 1730.8 |
| 45° | 2032.5 | 2032.5 | 2028.6 | 2010.6 | 1986.9 | 1953.1 | 1909.4 | 1851.9 | 1764.6 | 1661.3 | 1540.3 |
| 47.5° | 1786.4 | 1788.3 | 1782.4 | 1778.5 | 1768.5 | 1746.7 | 1714.9 | 1671.3 | 1609.8 | 1510.4 | 1389.4 |
| 50° | 1536.3 | 1536.3 | 1546.2 | 1544.2 | 1544.2 | 1536.3 | 1522.4 | 1496.5 | 1443.1 | 1363.6 | 1250.5 |
| 52.5° | 1286.2 | 1290.2 | 1296.1 | 1304.1 | 1313.9 | 1329.8 | 1313.9 | 1302.0 | 1268.3 | 1206.8 | 1109.6 |
| 55° | 1028.2 | 1032.1 | 1042.1 | 1056.0 | 1067.9 | 1083.8 | 1087.7 | 1087.7 | 1069.9 | 1028.2 | 954.8 |
| 57.5° | 807.9 | 801.9 | 809.8 | 821.7 | 837.6 | 853.5 | 865.4 | 879.3 | 877.3 | 849.5 | 790.0 |
| 60° | 607.4 | 609.4 | 615.3 | 627.2 | 639.1 | 653.0 | 668.9 | 680.8 | 686.8 | 672.9 | 635.2 |
| 62.5° | 442.7 | 442.7 | 450.5 | 462.4 | 468.5 | 488.3 | 498.2 | 504.2 | 510.1 | 508.1 | 484.3 |
| 65° | 309.6 | 313.5 | 317.6 | 323.5 | 329.5 | 341.3 | 347.4 | 359.3 | 363.2 | 365.2 | 347.4 |
| 67.5° | 218.4 | 212.4 | 216.4 | 220.3 | 226.2 | 234.3 | 246.2 | 246.2 | 252.1 | 252.1 | 240.1 |
| 70° | 139.0 | 139.0 | 140.9 | 146.9 | 150.9 | 152.8 | 156.8 | 160.8 | 166.7 | 164.8 | 164.8 |
| 72.5° | 93.3 | 91.2 | 93.3 | 95.3 | 97.3 | 103.2 | 103.2 | 105.1 | 109.2 | 111.2 | 103.2 |
| 75° | 47.6 | 49.7 | 53.6 | 51.7 | 57.5 | 53.6 | 55.6 | 61.5 | 59.5 | 55.6 | 55.6 |
| 77.5° | 39.7 | 39.7 | 39.7 | 37.8 | 41.7 | 41.7 | 39.7 | 43.6 | 41.7 | 41.7 | 39.7 |
| 80° | 27.8 | 29.8 | 27.8 | 25.8 | 27.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 23.8 |
| 82.5° | 21.9 | 17.8 | 19.8 | 17.8 | 19.8 | 19.8 | 17.8 | 15.9 | 15.9 | 17.8 | 15.9 |
| 85° | 15.9 | 11.9 | 13.9 | 13.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 9.9 | 9.9 |
| 87.5° | 9.9 | 5.9 | 5.9 | 5.9 | 8.0 | 8.0 | 8.0 | 5.9 | 8.0 | 8.0 | 4.0 |
| 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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CATALOG NUMBER: LD8B80D010 ER8B80930 8LBDW0H

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 |
| 2.5° | 3703.8 | 3701.8 | 3705.8 | 3703.8 | 3703.8 | 3701.8 | 3703.8 | 3701.8 | 3705.8 | 3697.8 | 3699.9 |
| 5° | 3703.8 | 3699.9 | 3701.8 | 3703.8 | 3705.8 | 3701.8 | 3701.8 | 3701.8 | 3705.8 | 3701.8 | 3703.8 |
| 7.5° | 3695.8 | 3693.8 | 3699.9 | 3703.8 | 3701.8 | 3699.9 | 3703.8 | 3701.8 | 3705.8 | 3703.8 | 3707.7 |
| 10° | 3679.9 | 3681.9 | 3686.0 | 3691.9 | 3693.8 | 3695.8 | 3699.9 | 3699.9 | 3705.8 | 3697.8 | 3701.8 |
| 12.5° | 3656.1 | 3664.1 | 3674.0 | 3678.0 | 3686.0 | 3686.0 | 3689.9 | 3691.9 | 3695.8 | 3693.8 | 3699.9 |
| 15° | 3626.3 | 3636.3 | 3648.2 | 3658.2 | 3668.0 | 3674.0 | 3679.9 | 3681.9 | 3687.9 | 3681.9 | 3683.9 |
| 17.5° | 3590.7 | 3602.6 | 3620.4 | 3632.3 | 3648.2 | 3654.1 | 3662.1 | 3666.0 | 3672.1 | 3668.0 | 3670.0 |
| 20° | 3541.0 | 3554.9 | 3574.8 | 3592.6 | 3602.6 | 3616.5 | 3626.3 | 3632.3 | 3636.3 | 3632.3 | 3634.3 |
| 22.5° | 3471.5 | 3491.4 | 3517.2 | 3531.0 | 3551.0 | 3562.9 | 3564.9 | 3578.7 | 3588.7 | 3578.7 | 3582.7 |
| 25° | 3390.1 | 3410.0 | 3429.9 | 3459.6 | 3477.6 | 3491.4 | 3505.3 | 3507.3 | 3517.2 | 3515.2 | 3513.2 |
| 27.5° | 3255.2 | 3281.1 | 3314.7 | 3338.6 | 3362.3 | 3384.2 | 3400.1 | 3404.0 | 3414.0 | 3410.0 | 3412.0 |
| 30° | 3070.5 | 3098.4 | 3130.2 | 3167.8 | 3201.6 | 3223.4 | 3243.3 | 3257.2 | 3267.0 | 3261.1 | 3259.2 |
| 32.5° | 2808.7 | 2836.4 | 2870.1 | 2907.9 | 2947.6 | 2979.3 | 3003.2 | 3021.0 | 3032.9 | 3028.9 | 3019.0 |
| 35° | 2508.9 | 2516.9 | 2538.7 | 2568.4 | 2602.2 | 2635.9 | 2657.8 | 2677.6 | 2691.5 | 2695.4 | 2695.4 |
| 37.5° | 2201.2 | 2175.4 | 2159.6 | 2159.6 | 2179.3 | 2193.2 | 2213.2 | 2225.1 | 2246.9 | 2254.8 | 2260.8 |
| 40° | 1903.5 | 1843.9 | 1788.3 | 1746.7 | 1718.9 | 1716.9 | 1716.9 | 1722.9 | 1742.7 | 1768.5 | 1792.4 |
| 42.5° | 1637.6 | 1542.3 | 1456.9 | 1379.5 | 1323.9 | 1292.2 | 1278.3 | 1280.3 | 1296.1 | 1320.0 | 1359.7 |
| 45° | 1425.1 | 1306.1 | 1198.9 | 1105.5 | 1030.2 | 980.5 | 956.7 | 954.8 | 966.6 | 994.4 | 1038.2 |
| 47.5° | 1260.5 | 1133.3 | 1012.3 | 905.1 | 823.7 | 770.1 | 742.3 | 734.5 | 742.3 | 768.1 | 819.8 |
| 50° | 1123.5 | 992.4 | 867.4 | 756.2 | 668.9 | 613.3 | 587.5 | 577.7 | 587.5 | 609.4 | 660.9 |
| 52.5° | 996.3 | 861.4 | 744.3 | 637.2 | 543.8 | 496.2 | 468.5 | 462.4 | 468.5 | 494.2 | 536.0 |
| 55° | 849.5 | 734.5 | 619.2 | 512.1 | 430.7 | 383.0 | 361.2 | 355.4 | 361.2 | 385.1 | 428.8 |
| 57.5° | 704.7 | 605.3 | 504.2 | 406.9 | 337.4 | 295.7 | 275.9 | 267.9 | 281.8 | 297.7 | 349.3 |
| 60° | 569.7 | 490.3 | 404.9 | 319.6 | 262.0 | 224.3 | 208.4 | 206.4 | 210.4 | 230.3 | 265.9 |
| 62.5° | 446.6 | 381.1 | 313.5 | 244.2 | 196.5 | 180.6 | 160.8 | 158.8 | 162.8 | 174.7 | 202.5 |
| 65° | 321.6 | 279.9 | 228.2 | 178.6 | 140.9 | 119.1 | 111.2 | 113.1 | 117.1 | 125.1 | 150.9 |
| 67.5° | 224.3 | 194.5 | 158.8 | 125.1 | 97.3 | 87.3 | 79.4 | 77.5 | 79.4 | 93.3 | 107.2 |
| 70° | 150.9 | 133.0 | 107.2 | 95.3 | 67.5 | 53.6 | 55.6 | 49.7 | 57.5 | 57.5 | 69.5 |
| 72.5° | 99.2 | 87.3 | 71.4 | 55.6 | 47.6 | 37.8 | 37.8 | 35.8 | 39.7 | 41.7 | 51.7 |
| 75° | 51.7 | 39.7 | 39.7 | 27.8 | 19.8 | 9.9 | 17.8 | 15.9 | 13.9 | 15.9 | 19.8 |
| 77.5° | 35.8 | 29.8 | 27.8 | 21.9 | 19.8 | 15.9 | 15.9 | 15.9 | 15.9 | 17.8 | 19.8 |
| 80° | 21.9 | 21.9 | 15.9 | 13.9 | 11.9 | 9.9 | 11.9 | 11.9 | 11.9 | 11.9 | 13.9 |
| 82.5° | 13.9 | 11.9 | 11.9 | 9.9 | 9.9 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 11.9 |
| 85° | 11.9 | 8.0 | 8.0 | 5.9 | 8.0 | 13.9 | 5.9 | 8.0 | 8.0 | 8.0 | 5.9 |
| 87.5° | 4.0 | 5.9 | 5.9 | 5.9 | 4.0 | 2.0 | 4.0 | 5.9 | 5.9 | 9.9 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 | 3697.8 |
| 2.5° | 3703.8 | 3705.8 | 3705.8 | 3703.8 | 3703.8 | 3699.9 | 3707.7 | 3701.8 | 3703.8 | 3711.7 | 3705.8 |
| 5° | 3707.7 | 3709.7 | 3709.7 | 3707.7 | 3707.7 | 3707.7 | 3709.7 | 3709.7 | 3707.7 | 3705.8 | 3709.7 |
| 7.5° | 3715.7 | 3713.6 | 3713.6 | 3709.7 | 3709.7 | 3705.8 | 3709.7 | 3703.8 | 3707.7 | 3703.8 | 3709.7 |
| 10° | 3705.8 | 3707.7 | 3705.8 | 3703.8 | 3703.8 | 3701.8 | 3701.8 | 3695.8 | 3697.8 | 3691.9 | 3695.8 |
| 12.5° | 3699.9 | 3697.8 | 3697.8 | 3693.8 | 3689.9 | 3686.0 | 3683.9 | 3678.0 | 3678.0 | 3664.1 | 3670.0 |
| 15° | 3683.9 | 3686.0 | 3679.9 | 3672.1 | 3668.0 | 3658.2 | 3654.1 | 3646.2 | 3638.3 | 3628.3 | 3630.4 |
| 17.5° | 3670.0 | 3664.1 | 3656.1 | 3648.2 | 3632.3 | 3624.4 | 3616.5 | 3604.6 | 3600.5 | 3588.7 | 3584.7 |
| 20° | 3628.3 | 3624.4 | 3614.4 | 3600.5 | 3590.7 | 3572.7 | 3564.9 | 3552.9 | 3543.0 | 3531.0 | 3525.1 |
| 22.5° | 3574.8 | 3570.7 | 3558.8 | 3544.9 | 3529.1 | 3521.2 | 3513.2 | 3491.4 | 3481.5 | 3469.6 | 3467.6 |
| 25° | 3507.3 | 3501.3 | 3489.4 | 3473.5 | 3465.6 | 3443.7 | 3435.8 | 3419.9 | 3416.0 | 3404.0 | 3402.1 |
| 27.5° | 3404.0 | 3396.1 | 3382.3 | 3362.3 | 3348.4 | 3334.6 | 3326.7 | 3314.7 | 3310.8 | 3298.9 | 3296.9 |
| 30° | 3249.2 | 3239.4 | 3211.6 | 3203.6 | 3179.7 | 3165.8 | 3165.8 | 3150.0 | 3152.0 | 3144.1 | 3144.1 |
| 32.5° | 3005.1 | 2989.3 | 2967.4 | 2951.5 | 2935.6 | 2927.7 | 2927.7 | 2921.8 | 2925.7 | 2925.7 | 2929.7 |
| 35° | 2681.5 | 2659.8 | 2647.8 | 2637.9 | 2637.9 | 2645.8 | 2669.7 | 2675.6 | 2687.5 | 2697.5 | 2705.4 |
| 37.5° | 2266.7 | 2264.8 | 2278.7 | 2290.5 | 2320.4 | 2354.1 | 2395.8 | 2431.4 | 2465.2 | 2489.1 | 2512.8 |
| 40° | 1818.1 | 1867.8 | 1907.5 | 1963.1 | 2008.7 | 2074.2 | 2149.6 | 2211.2 | 2268.7 | 2310.4 | 2354.1 |
| 42.5° | 1419.2 | 1482.7 | 1566.0 | 1647.4 | 1728.8 | 1818.1 | 1917.4 | 2002.8 | 2078.2 | 2135.7 | 2181.4 |
| 45° | 1105.5 | 1192.9 | 1294.2 | 1397.3 | 1502.6 | 1613.7 | 1716.9 | 1804.2 | 1883.6 | 1943.3 | 1988.9 |
| 47.5° | 891.2 | 986.5 | 1101.6 | 1214.7 | 1333.9 | 1450.9 | 1566.0 | 1641.5 | 1706.9 | 1754.6 | 1796.3 |
| 50° | 736.4 | 837.6 | 958.7 | 1087.7 | 1206.8 | 1323.9 | 1423.1 | 1496.5 | 1550.2 | 1591.8 | 1617.7 |
| 52.5° | 615.3 | 722.5 | 851.5 | 980.5 | 1099.6 | 1206.8 | 1296.1 | 1351.7 | 1395.4 | 1425.1 | 1448.9 |
| 55° | 508.1 | 611.4 | 732.5 | 853.5 | 970.6 | 1071.8 | 1145.2 | 1186.9 | 1220.7 | 1238.6 | 1252.5 |
| 57.5° | 414.9 | 510.1 | 621.3 | 732.5 | 833.7 | 917.1 | 974.6 | 1016.3 | 1032.1 | 1046.0 | 1044.0 |
| 60° | 325.5 | 414.9 | 516.1 | 611.4 | 698.7 | 766.1 | 807.9 | 831.7 | 843.6 | 849.5 | 845.6 |
| 62.5° | 256.0 | 337.4 | 414.9 | 498.2 | 561.7 | 619.2 | 659.0 | 659.0 | 665.0 | 666.9 | 672.9 |
| 65° | 190.6 | 252.1 | 319.6 | 381.1 | 432.7 | 470.4 | 492.2 | 498.2 | 506.1 | 504.2 | 500.2 |
| 67.5° | 140.9 | 186.6 | 236.2 | 281.8 | 317.6 | 341.3 | 357.3 | 371.2 | 369.3 | 365.2 | 363.2 |
| 70° | 97.3 | 127.0 | 170.7 | 198.5 | 224.3 | 248.1 | 252.1 | 254.0 | 256.0 | 258.1 | 254.0 |
| 72.5° | 67.5 | 89.3 | 113.1 | 137.0 | 152.8 | 162.8 | 172.7 | 174.7 | 174.7 | 174.7 | 172.7 |
| 75° | 33.7 | 45.6 | 67.5 | 77.5 | 91.2 | 95.3 | 103.2 | 103.2 | 109.2 | 101.2 | 99.2 |
| 77.5° | 29.8 | 35.8 | 47.6 | 55.6 | 61.5 | 67.5 | 69.5 | 75.4 | 73.4 | 69.5 | 71.4 |
| 80° | 17.8 | 21.9 | 29.8 | 33.7 | 41.7 | 43.6 | 45.6 | 47.6 | 45.6 | 47.6 | 47.6 |
| 82.5° | 13.9 | 15.9 | 19.8 | 19.8 | 25.8 | 25.8 | 27.8 | 27.8 | 29.8 | 29.8 | 29.8 |
| 85° | 8.0 | 13.9 | 11.9 | 23.8 | 15.9 | 15.9 | 19.8 | 23.8 | 19.8 | 19.8 | 23.8 |
| 87.5° | 8.0 | 8.0 | 5.9 | 8.0 | 8.0 | 8.0 | 9.9 | 11.9 | 11.9 | 13.9 | 11.9 |
| 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: P249183

CATALOG NUMBER: LD8B80D010 ER8B80930 8LBDW0H

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 3697.8 | 3697.8 | 3697.8 | 3697.8 |
| 2.5° | 3703.8 | 3707.7 | 3701.8 | 3699.9 |
| 5° | 3709.7 | 3709.7 | 3705.8 | 3705.8 |
| 7.5° | 3709.7 | 3709.7 | 3703.8 | 3699.9 |
| 10° | 3693.8 | 3693.8 | 3687.9 | 3683.9 |
| 12.5° | 3664.1 | 3664.1 | 3662.1 | 3656.1 |
| 15° | 3626.3 | 3626.3 | 3618.4 | 3612.5 |
| 17.5° | 3574.8 | 3578.7 | 3568.8 | 3568.8 |
| 20° | 3519.2 | 3517.2 | 3509.3 | 3505.3 |
| 22.5° | 3461.6 | 3457.6 | 3455.7 | 3443.7 |
| 25° | 3400.1 | 3396.1 | 3390.1 | 3384.2 |
| 27.5° | 3295.0 | 3292.9 | 3287.0 | 3279.0 |
| 30° | 3134.1 | 3132.1 | 3124.2 | 3124.2 |
| 32.5° | 2925.7 | 2923.7 | 2915.8 | 2917.7 |
| 35° | 2709.3 | 2717.3 | 2713.3 | 2705.4 |
| 37.5° | 2528.8 | 2534.7 | 2538.7 | 2534.7 |
| 40° | 2377.9 | 2395.8 | 2397.7 | 2401.7 |
| 42.5° | 2217.1 | 2240.9 | 2248.8 | 2252.8 |
| 45° | 2024.5 | 2046.4 | 2064.3 | 2060.3 |
| 47.5° | 1828.0 | 1843.9 | 1859.9 | 1848.0 |
| 50° | 1639.5 | 1649.4 | 1655.4 | 1655.4 |
| 52.5° | 1460.9 | 1460.9 | 1458.9 | 1460.9 |
| 55° | 1256.4 | 1256.4 | 1248.5 | 1252.5 |
| 57.5° | 1042.1 | 1046.0 | 1040.1 | 1030.2 |
| 60° | 843.6 | 833.7 | 829.7 | 823.7 |
| 62.5° | 657.0 | 657.0 | 643.1 | 660.9 |
| 65° | 492.2 | 486.3 | 480.3 | 478.3 |
| 67.5° | 357.3 | 355.4 | 349.3 | 347.4 |
| 70° | 252.1 | 244.2 | 242.1 | 238.2 |
| 72.5° | 168.7 | 168.7 | 164.8 | 164.8 |
| 75° | 103.2 | 93.3 | 91.2 | 93.3 |
| 77.5° | 71.4 | 69.5 | 69.5 | 67.5 |
| 80° | 47.6 | 45.6 | 49.7 | 43.6 |
| 82.5° | 29.8 | 31.7 | 29.8 | 31.7 |
| 85° | 19.8 | 23.8 | 21.9 | 21.9 |
| 87.5° | 11.9 | 11.9 | 11.9 | 11.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)