

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: P248367

Luminaire Tested: **LD8B120D010 ER8B120850 8LBDW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248367
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: LD8B120D010 ER8B120850 8LBDW0LI
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13125.0 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.33 / 1.2
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

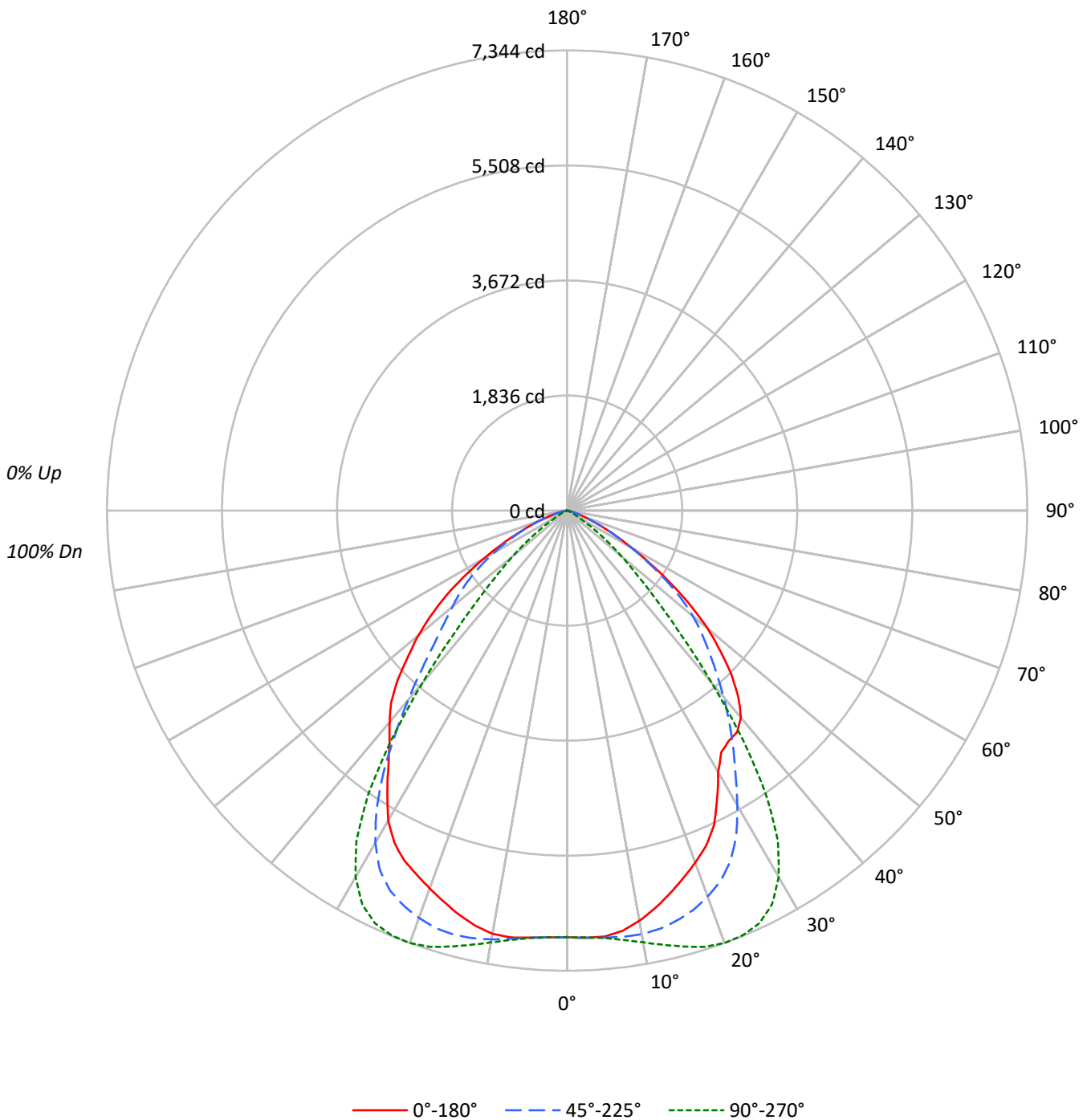
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248367

CATALOG NUMBER: LD8B120D010 ER8B120850 8LBDW0LI

Luminous Intensity Polar Plot





TEST NUMBER: P248367

CATALOG NUMBER: LD8B120D010 ER8B120850 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 | 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 | | | | | 100 | | | |
| 1 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 92 | 90 | | | | | 90 | | | |
| 2 | 104 | 98 | 92 | 88 | 102 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 84 | 81 | 79 | | | | | 79 | | | |
| 3 | 97 | 88 | 82 | 76 | 94 | 87 | 81 | 76 | 84 | 79 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 | | | | | 70 | | | |
| 4 | 90 | 80 | 73 | 67 | 88 | 79 | 72 | 67 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 68 | 64 | 62 | | | | | 62 | | | |
| 5 | 84 | 73 | 65 | 60 | 82 | 72 | 65 | 59 | 70 | 63 | 59 | 68 | 62 | 58 | 66 | 61 | 58 | 56 | | | | | 56 | | | |
| 6 | 78 | 66 | 59 | 53 | 76 | 66 | 58 | 53 | 64 | 57 | 53 | 62 | 57 | 52 | 61 | 56 | 52 | 50 | | | | | 50 | | | |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 48 | 57 | 52 | 47 | 56 | 51 | 47 | 45 | | | | | 45 | | | |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 41 | | | | | 41 | | | |
| 9 | 64 | 52 | 45 | 40 | 63 | 51 | 44 | 40 | 50 | 44 | 39 | 49 | 44 | 39 | 48 | 43 | 39 | 38 | | | | | 38 | | | |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 | | | | | 34 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 209958 | 209958 | 209958 |
| 5° | 211209 | 211992 | 211766 |
| 10° | 208106 | 219084 | 214785 |
| 15° | 202022 | 229940 | 213097 |
| 20° | 196157 | 240986 | 210507 |
| 25° | 188626 | 247158 | 209531 |
| 30° | 171664 | 240381 | 203318 |
| 35° | 169105 | 208289 | 187065 |
| 40° | 173704 | 144459 | 177339 |
| 45° | 161703 | 87310 | 166748 |
| 50° | 140258 | 53917 | 148581 |
| 55° | 107636 | 28171 | 126098 |
| 60° | 73329 | 11366 | 95173 |
| 65° | 45618 | 5801 | 65661 |
| 70° | 24767 | 3588 | 40076 |
| 75° | 12915 | 1716 | 23686 |
| 80° | 5771 | 1936 | 12821 |
| 85° | 3856 | 1274 | 11499 |



TEST NUMBER: P248367

CATALOG NUMBER: LD8B120D010 ER8B120850 8LBDW0LI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 654.8 | 5.0 |
| 10°-20° | 1939.7 | 14.8 |
| 20°-30° | 2959.3 | 22.5 |
| 30°-40° | 3088.0 | 23.5 |
| 40°-50° | 2319.5 | 17.7 |
| 50°-60° | 1427.1 | 10.9 |
| 60°-70° | 580.8 | 4.4 |
| 70°-80° | 136.8 | 1.0 |
| 80°-90° | 18.9 | 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° | 5553.8 | 42.3 |
| 0°-40° | 8641.8 | 65.8 |
| 0°-60° | 12388.5 | 94.4 |
| 0°-90° | 13125.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 13125.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 6809 | 6809 | 6809 | 6809 | 6809 | |
| 5° | 6823 | 6841 | 6849 | 6841 | 6841 | 646 |
| 15° | 6328 | 6773 | 7203 | 7004 | 6675 | 1783 |
| 25° | 5544 | 6166 | 7264 | 6690 | 6158 | 2520 |
| 35° | 4492 | 4619 | 5533 | 5114 | 4969 | 2836 |
| 45° | 3708 | 3209 | 2002 | 2989 | 3824 | 2829 |
| 55° | 2002 | 1901 | 524 | 1901 | 2346 | 1800 |
| 65° | 625 | 632 | 80 | 849 | 900 | 652 |
| 75° | 108 | 108 | 14 | 192 | 199 | 131 |
| 85° | 11 | 11 | 4 | 25 | 32 | 15 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P248367

CATALOG NUMBER: LD8B120D010 ER8B120850 8LBDW0LI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 |
| 2.5° | 6826.9 | 6816.0 | 6826.9 | 6826.9 | 6830.5 | 6823.3 | 6826.9 | 6830.5 | 6823.3 | 6823.3 | 6823.3 |
| 5° | 6823.3 | 6816.0 | 6823.3 | 6819.7 | 6826.9 | 6826.9 | 6834.2 | 6834.2 | 6841.3 | 6841.3 | 6852.2 |
| 7.5° | 6765.5 | 6751.0 | 6765.5 | 6776.3 | 6783.5 | 6798.0 | 6816.0 | 6830.5 | 6845.0 | 6859.5 | 6877.5 |
| 10° | 6646.2 | 6646.2 | 6657.0 | 6678.7 | 6700.4 | 6725.7 | 6758.2 | 6794.4 | 6830.5 | 6863.0 | 6895.5 |
| 12.5° | 6498.0 | 6487.2 | 6508.8 | 6537.8 | 6570.3 | 6610.1 | 6660.7 | 6714.9 | 6772.7 | 6837.7 | 6888.4 |
| 15° | 6328.2 | 6317.3 | 6342.6 | 6371.5 | 6411.3 | 6469.1 | 6530.6 | 6602.8 | 6686.0 | 6772.7 | 6855.8 |
| 17.5° | 6154.7 | 6151.1 | 6176.3 | 6216.1 | 6248.7 | 6310.0 | 6389.6 | 6476.3 | 6570.3 | 6686.0 | 6794.4 |
| 20° | 5977.6 | 5974.0 | 5999.3 | 6031.8 | 6075.2 | 6133.0 | 6212.5 | 6313.7 | 6425.7 | 6555.9 | 6682.3 |
| 22.5° | 5793.3 | 5796.9 | 5818.6 | 5854.7 | 5890.9 | 5952.3 | 6035.4 | 6136.6 | 6259.5 | 6400.4 | 6541.4 |
| 25° | 5543.9 | 5525.9 | 5554.8 | 5590.9 | 5652.3 | 5702.9 | 5782.5 | 5890.9 | 6017.3 | 6165.6 | 6331.8 |
| 27.5° | 5182.5 | 5178.9 | 5204.2 | 5236.7 | 5290.9 | 5352.4 | 5439.1 | 5551.1 | 5684.9 | 5847.5 | 6010.1 |
| 30° | 4821.1 | 4828.3 | 4839.2 | 4871.7 | 4907.8 | 4969.3 | 5056.0 | 5150.0 | 5276.5 | 5431.9 | 5605.4 |
| 32.5° | 4575.3 | 4575.3 | 4589.8 | 4611.5 | 4636.8 | 4669.3 | 4730.8 | 4799.4 | 4897.0 | 5005.4 | 5131.9 |
| 35° | 4492.2 | 4477.8 | 4492.2 | 4495.8 | 4499.5 | 4506.7 | 4517.5 | 4539.2 | 4571.7 | 4618.7 | 4665.7 |
| 37.5° | 4456.1 | 4445.2 | 4445.2 | 4430.8 | 4412.7 | 4391.0 | 4362.1 | 4329.6 | 4293.5 | 4246.5 | 4210.4 |
| 40° | 4315.2 | 4307.9 | 4300.7 | 4286.3 | 4246.5 | 4203.1 | 4156.1 | 4080.2 | 3997.1 | 3881.4 | 3765.8 |
| 42.5° | 4044.1 | 4036.9 | 4033.3 | 4004.3 | 3968.2 | 3917.6 | 3863.4 | 3783.9 | 3679.1 | 3530.9 | 3364.6 |
| 45° | 3708.0 | 3693.5 | 3682.7 | 3657.4 | 3632.1 | 3588.7 | 3538.1 | 3465.8 | 3361.0 | 3209.3 | 3010.5 |
| 47.5° | 3317.7 | 3310.4 | 3306.8 | 3296.0 | 3270.7 | 3245.4 | 3212.9 | 3155.1 | 3061.1 | 2916.5 | 2710.5 |
| 50° | 2923.7 | 2909.3 | 2916.5 | 2912.9 | 2902.1 | 2884.0 | 2862.3 | 2822.6 | 2750.2 | 2620.2 | 2432.2 |
| 52.5° | 2472.0 | 2472.0 | 2468.4 | 2479.2 | 2482.8 | 2479.2 | 2482.8 | 2439.5 | 2378.0 | 2280.4 | 2121.4 |
| 55° | 2002.1 | 2002.1 | 2013.0 | 2027.5 | 2041.9 | 2045.5 | 2041.9 | 2023.9 | 1980.5 | 1901.0 | 1760.0 |
| 57.5° | 1561.2 | 1554.1 | 1575.7 | 1597.4 | 1611.9 | 1626.3 | 1615.4 | 1601.0 | 1575.7 | 1510.6 | 1402.2 |
| 60° | 1189.0 | 1189.0 | 1203.4 | 1217.9 | 1232.4 | 1246.9 | 1243.2 | 1239.6 | 1217.9 | 1174.5 | 1087.9 |
| 62.5° | 874.6 | 878.2 | 878.2 | 889.1 | 903.5 | 918.0 | 928.8 | 918.0 | 907.1 | 878.2 | 820.4 |
| 65° | 625.2 | 621.6 | 625.2 | 636.1 | 646.9 | 661.4 | 668.6 | 665.0 | 654.1 | 632.4 | 589.1 |
| 67.5° | 419.2 | 415.6 | 430.0 | 433.7 | 440.9 | 455.4 | 451.8 | 455.4 | 451.8 | 433.7 | 397.6 |
| 70° | 274.7 | 267.4 | 274.7 | 271.0 | 281.9 | 285.5 | 292.7 | 296.3 | 292.7 | 281.9 | 271.0 |
| 72.5° | 169.9 | 166.2 | 169.9 | 173.5 | 177.1 | 180.7 | 187.9 | 187.9 | 184.3 | 177.1 | 162.6 |
| 75° | 108.4 | 97.5 | 101.2 | 94.0 | 101.2 | 101.2 | 108.4 | 112.0 | 108.4 | 108.4 | 101.2 |
| 77.5° | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 68.7 | 72.2 | 65.1 | 61.5 |
| 80° | 32.5 | 32.5 | 36.2 | 36.2 | 36.2 | 39.8 | 36.2 | 36.2 | 36.2 | 39.8 | 28.9 |
| 82.5° | 25.3 | 21.7 | 21.7 | 21.7 | 25.3 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 |
| 85° | 10.9 | 14.4 | 10.9 | 7.3 | 10.9 | 10.9 | 14.4 | 10.9 | 10.9 | 10.9 | 14.4 |
| 87.5° | 3.6 | 3.6 | 0.0 | 0.0 | 0.0 | 3.6 | 0.0 | 3.6 | 3.6 | 7.3 | 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: P248367

CATALOG NUMBER: LD8B120D010 ER8B120850 8LBDW0LI

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 |
| 2.5° | 6826.9 | 6819.7 | 6819.7 | 6816.0 | 6823.3 | 6816.0 | 6819.7 | 6816.0 | 6816.0 | 6823.3 | 6816.0 |
| 5° | 6852.2 | 6855.8 | 6848.6 | 6845.0 | 6855.8 | 6855.8 | 6855.8 | 6848.6 | 6848.6 | 6852.2 | 6848.6 |
| 7.5° | 6888.4 | 6895.5 | 6899.2 | 6902.8 | 6910.0 | 6913.7 | 6913.7 | 6910.0 | 6906.4 | 6917.3 | 6902.8 |
| 10° | 6928.1 | 6939.0 | 6960.6 | 6971.5 | 6989.5 | 6989.5 | 6996.8 | 6996.8 | 6989.5 | 6996.8 | 6993.2 |
| 12.5° | 6913.7 | 6978.7 | 7014.8 | 7040.1 | 7065.4 | 7087.1 | 7094.3 | 7097.9 | 7094.3 | 7108.8 | 7094.3 |
| 15° | 6939.0 | 6993.2 | 7051.0 | 7094.3 | 7141.3 | 7166.6 | 7173.8 | 7202.7 | 7210.0 | 7213.6 | 7191.9 |
| 17.5° | 6899.2 | 6996.8 | 7058.2 | 7123.2 | 7191.9 | 7238.9 | 7282.2 | 7300.4 | 7304.0 | 7311.2 | 7282.2 |
| 20° | 6808.8 | 6917.3 | 7011.2 | 7105.2 | 7184.7 | 7256.9 | 7293.1 | 7343.7 | 7329.3 | 7358.2 | 7318.4 |
| 22.5° | 6686.0 | 6808.8 | 6928.1 | 7051.0 | 7134.1 | 7220.9 | 7296.7 | 7332.8 | 7350.9 | 7350.9 | 7307.5 |
| 25° | 6490.8 | 6635.4 | 6765.5 | 6891.9 | 7018.5 | 7123.2 | 7210.0 | 7264.2 | 7275.1 | 7271.4 | 7220.9 |
| 27.5° | 6187.2 | 6342.6 | 6494.4 | 6639.0 | 6794.4 | 6917.3 | 7018.5 | 7083.4 | 7101.6 | 7101.6 | 7047.4 |
| 30° | 5768.0 | 5934.2 | 6082.4 | 6255.8 | 6414.9 | 6552.3 | 6693.2 | 6751.0 | 6783.5 | 6783.5 | 6722.1 |
| 32.5° | 5269.2 | 5410.2 | 5547.5 | 5717.4 | 5890.9 | 6046.3 | 6180.0 | 6259.5 | 6299.3 | 6295.6 | 6241.4 |
| 35° | 4727.2 | 4795.8 | 4900.7 | 5027.1 | 5182.5 | 5327.1 | 5457.1 | 5533.1 | 5601.7 | 5598.1 | 5547.5 |
| 37.5° | 4185.0 | 4167.0 | 4177.8 | 4224.8 | 4322.3 | 4423.6 | 4524.7 | 4597.1 | 4654.8 | 4680.2 | 4669.3 |
| 40° | 3653.8 | 3559.8 | 3469.4 | 3437.0 | 3444.1 | 3480.3 | 3534.5 | 3588.7 | 3653.8 | 3686.3 | 3700.8 |
| 42.5° | 3176.7 | 3017.7 | 2858.7 | 2739.4 | 2670.7 | 2649.1 | 2674.4 | 2692.4 | 2732.2 | 2779.2 | 2826.2 |
| 45° | 2793.7 | 2580.5 | 2370.8 | 2186.5 | 2070.8 | 2002.1 | 1987.7 | 2002.1 | 2023.9 | 2070.8 | 2132.3 |
| 47.5° | 2479.2 | 2229.8 | 1995.0 | 1788.9 | 1619.1 | 1528.8 | 1503.5 | 1496.2 | 1517.9 | 1561.2 | 1644.3 |
| 50° | 2200.9 | 1951.5 | 1691.4 | 1452.8 | 1275.8 | 1174.5 | 1138.4 | 1123.9 | 1149.2 | 1181.8 | 1257.6 |
| 52.5° | 1897.3 | 1651.6 | 1384.2 | 1152.9 | 968.6 | 863.8 | 824.0 | 802.3 | 816.7 | 860.2 | 936.0 |
| 55° | 1568.5 | 1340.8 | 1098.6 | 860.2 | 683.0 | 585.5 | 538.4 | 524.0 | 538.4 | 585.5 | 661.4 |
| 57.5° | 1239.6 | 1048.1 | 845.7 | 621.6 | 462.6 | 365.0 | 318.0 | 303.6 | 343.4 | 361.4 | 440.9 |
| 60° | 968.6 | 813.2 | 639.7 | 455.4 | 318.0 | 242.1 | 195.2 | 184.3 | 202.4 | 234.9 | 300.0 |
| 62.5° | 726.4 | 628.8 | 491.5 | 325.2 | 234.9 | 155.4 | 130.1 | 119.3 | 130.1 | 155.4 | 206.0 |
| 65° | 527.7 | 451.8 | 343.4 | 238.5 | 159.0 | 115.7 | 86.7 | 79.5 | 90.4 | 108.4 | 151.8 |
| 67.5° | 361.4 | 303.6 | 238.5 | 166.2 | 108.4 | 72.2 | 61.5 | 61.5 | 65.1 | 79.5 | 112.0 |
| 70° | 234.9 | 198.8 | 151.8 | 108.4 | 72.2 | 54.2 | 47.0 | 39.8 | 47.0 | 57.8 | 75.9 |
| 72.5° | 148.2 | 126.5 | 97.5 | 75.9 | 54.2 | 39.8 | 32.5 | 28.9 | 36.2 | 43.3 | 57.8 |
| 75° | 90.4 | 68.7 | 50.6 | 39.8 | 28.9 | 28.9 | 28.9 | 14.4 | 18.0 | 28.9 | 36.2 |
| 77.5° | 54.2 | 47.0 | 39.8 | 32.5 | 25.3 | 14.4 | 14.4 | 14.4 | 18.0 | 21.7 | 32.5 |
| 80° | 28.9 | 25.3 | 18.0 | 18.0 | 14.4 | 10.9 | 14.4 | 10.9 | 7.3 | 18.0 | 21.7 |
| 82.5° | 18.0 | 14.4 | 14.4 | 14.4 | 18.0 | 7.3 | 10.9 | 7.3 | 10.9 | 14.4 | 10.9 |
| 85° | 10.9 | 10.9 | 10.9 | 7.3 | 18.0 | 7.3 | 7.3 | 3.6 | 3.6 | 7.3 | 7.3 |
| 87.5° | 0.0 | 3.6 | 3.6 | 0.0 | 3.6 | 0.0 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 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: P248367

CATALOG NUMBER: LD8B120D010 ER8B120850 8LBDW0LI

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 | 6808.8 |
| 2.5° | 6819.7 | 6816.0 | 6819.7 | 6816.0 | 6816.0 | 6816.0 | 6819.7 | 6819.7 | 6816.0 | 6816.0 | 6823.3 |
| 5° | 6848.6 | 6848.6 | 6848.6 | 6845.0 | 6841.3 | 6841.3 | 6848.6 | 6848.6 | 6837.7 | 6848.6 | 6848.6 |
| 7.5° | 6910.0 | 6899.2 | 6910.0 | 6895.5 | 6888.4 | 6891.9 | 6895.5 | 6888.4 | 6881.1 | 6884.7 | 6884.7 |
| 10° | 6989.5 | 6978.7 | 6978.7 | 6967.9 | 6957.0 | 6949.7 | 6942.6 | 6924.5 | 6906.4 | 6902.8 | 6888.4 |
| 12.5° | 7083.4 | 7065.4 | 7054.6 | 7032.9 | 7014.8 | 6989.5 | 6967.9 | 6939.0 | 6902.8 | 6877.5 | 6852.2 |
| 15° | 7177.4 | 7148.5 | 7123.2 | 7087.1 | 7047.4 | 7004.0 | 6957.0 | 6910.0 | 6852.2 | 6801.6 | 6758.2 |
| 17.5° | 7253.3 | 7213.6 | 7166.6 | 7108.8 | 7051.0 | 6985.9 | 6917.3 | 6848.6 | 6765.5 | 6700.4 | 6649.8 |
| 20° | 7278.6 | 7220.9 | 7159.4 | 7083.4 | 7007.6 | 6917.3 | 6830.5 | 6740.2 | 6646.2 | 6577.5 | 6519.7 |
| 22.5° | 7246.2 | 7177.4 | 7101.6 | 7022.1 | 6920.8 | 6823.3 | 6722.1 | 6617.2 | 6534.1 | 6440.2 | 6386.0 |
| 25° | 7155.8 | 7072.7 | 6989.5 | 6895.5 | 6798.0 | 6689.6 | 6581.2 | 6472.8 | 6371.5 | 6320.9 | 6252.3 |
| 27.5° | 6971.5 | 6881.1 | 6790.7 | 6693.2 | 6581.2 | 6472.8 | 6360.7 | 6255.8 | 6169.2 | 6100.5 | 6060.8 |
| 30° | 6646.2 | 6541.4 | 6436.6 | 6331.8 | 6234.2 | 6122.1 | 6017.3 | 5930.6 | 5843.8 | 5789.6 | 5749.9 |
| 32.5° | 6147.4 | 6053.5 | 5948.7 | 5847.5 | 5757.2 | 5663.2 | 5576.4 | 5500.6 | 5439.1 | 5402.9 | 5374.0 |
| 35° | 5475.3 | 5381.3 | 5301.8 | 5229.5 | 5153.6 | 5113.9 | 5059.7 | 5016.2 | 4990.9 | 4976.5 | 4972.9 |
| 37.5° | 4629.5 | 4575.3 | 4550.0 | 4535.6 | 4521.1 | 4510.3 | 4517.5 | 4535.6 | 4550.0 | 4575.3 | 4604.2 |
| 40° | 3726.1 | 3773.0 | 3787.5 | 3838.1 | 3885.1 | 3946.5 | 4015.2 | 4094.7 | 4159.7 | 4242.8 | 4300.7 |
| 42.5° | 2902.1 | 2988.8 | 3090.0 | 3198.4 | 3314.1 | 3426.1 | 3563.4 | 3689.9 | 3805.6 | 3910.3 | 4000.7 |
| 45° | 2229.8 | 2363.5 | 2515.4 | 2670.7 | 2826.2 | 2988.8 | 3155.1 | 3310.4 | 3447.8 | 3559.8 | 3653.8 |
| 47.5° | 1738.3 | 1886.5 | 2081.7 | 2273.2 | 2461.2 | 2652.7 | 2837.0 | 2999.6 | 3115.3 | 3223.7 | 3306.8 |
| 50° | 1376.9 | 1546.8 | 1760.0 | 1980.5 | 2186.5 | 2388.8 | 2584.0 | 2735.8 | 2851.5 | 2938.2 | 2999.6 |
| 52.5° | 1066.1 | 1268.5 | 1485.3 | 1716.7 | 1937.1 | 2157.6 | 2338.2 | 2479.2 | 2573.2 | 2649.1 | 2696.0 |
| 55° | 795.1 | 993.9 | 1225.2 | 1463.7 | 1687.8 | 1901.0 | 2070.8 | 2193.8 | 2276.9 | 2320.2 | 2345.5 |
| 57.5° | 574.6 | 755.4 | 986.6 | 1225.2 | 1427.5 | 1629.9 | 1767.3 | 1879.3 | 1926.3 | 1951.5 | 1962.4 |
| 60° | 419.2 | 585.5 | 791.4 | 997.5 | 1189.0 | 1351.6 | 1470.9 | 1546.8 | 1583.0 | 1597.4 | 1593.8 |
| 62.5° | 307.2 | 451.8 | 628.8 | 802.3 | 957.7 | 1091.4 | 1185.4 | 1236.0 | 1254.1 | 1261.3 | 1250.5 |
| 65° | 234.9 | 346.9 | 498.7 | 632.4 | 751.7 | 849.3 | 918.0 | 950.5 | 961.3 | 957.7 | 950.5 |
| 67.5° | 173.5 | 260.2 | 372.3 | 473.4 | 560.2 | 636.1 | 672.2 | 701.2 | 708.3 | 697.5 | 686.7 |
| 70° | 122.9 | 191.5 | 271.0 | 339.7 | 404.7 | 448.2 | 487.9 | 491.5 | 491.5 | 487.9 | 480.7 |
| 72.5° | 86.7 | 133.7 | 184.3 | 231.3 | 271.0 | 303.6 | 318.0 | 328.9 | 325.2 | 321.6 | 314.5 |
| 75° | 57.8 | 83.1 | 133.7 | 144.6 | 180.7 | 191.5 | 206.0 | 206.0 | 209.6 | 198.8 | 198.8 |
| 77.5° | 36.2 | 57.8 | 79.5 | 94.0 | 108.4 | 122.9 | 130.1 | 130.1 | 133.7 | 130.1 | 130.1 |
| 80° | 21.7 | 36.2 | 43.3 | 65.1 | 65.1 | 75.9 | 79.5 | 83.1 | 75.9 | 86.7 | 75.9 |
| 82.5° | 14.4 | 21.7 | 32.5 | 32.5 | 39.8 | 47.0 | 47.0 | 50.6 | 50.6 | 47.0 | 47.0 |
| 85° | 10.9 | 14.4 | 18.0 | 21.7 | 21.7 | 25.3 | 21.7 | 21.7 | 25.3 | 28.9 | 25.3 |
| 87.5° | 3.6 | 7.3 | 3.6 | 7.3 | 7.3 | 14.4 | 10.9 | 10.9 | 10.9 | 14.4 | 14.4 |
| 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: P248367

CATALOG NUMBER: LD8B120D010 ER8B120850 8LBDW0LI

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 6808.8 | 6808.8 | 6808.8 | 6808.8 |
| 2.5° | 6816.0 | 6819.7 | 6816.0 | 6816.0 |
| 5° | 6848.6 | 6845.0 | 6848.6 | 6841.3 |
| 7.5° | 6873.9 | 6873.9 | 6870.2 | 6870.2 |
| 10° | 6873.9 | 6859.5 | 6859.5 | 6859.5 |
| 12.5° | 6819.7 | 6801.6 | 6790.7 | 6783.5 |
| 15° | 6725.7 | 6693.2 | 6678.7 | 6675.1 |
| 17.5° | 6602.8 | 6573.9 | 6555.9 | 6545.0 |
| 20° | 6461.9 | 6433.0 | 6411.3 | 6414.9 |
| 22.5° | 6339.0 | 6306.5 | 6292.0 | 6284.8 |
| 25° | 6216.1 | 6176.3 | 6165.6 | 6158.3 |
| 27.5° | 6017.3 | 5995.7 | 5984.8 | 5974.0 |
| 30° | 5713.8 | 5702.9 | 5684.9 | 5710.1 |
| 32.5° | 5363.2 | 5345.1 | 5330.7 | 5341.6 |
| 35° | 4976.5 | 4965.7 | 4976.5 | 4969.3 |
| 37.5° | 4622.4 | 4633.2 | 4647.7 | 4654.8 |
| 40° | 4344.1 | 4383.8 | 4398.3 | 4405.5 |
| 42.5° | 4065.8 | 4112.8 | 4141.7 | 4159.7 |
| 45° | 3722.4 | 3769.4 | 3801.9 | 3823.7 |
| 47.5° | 3368.3 | 3408.1 | 3440.5 | 3437.0 |
| 50° | 3046.7 | 3068.3 | 3082.7 | 3097.2 |
| 52.5° | 2721.3 | 2721.3 | 2724.9 | 2724.9 |
| 55° | 2352.7 | 2345.5 | 2341.9 | 2345.5 |
| 57.5° | 1947.9 | 1940.8 | 1937.1 | 1926.3 |
| 60° | 1579.3 | 1557.7 | 1543.2 | 1543.2 |
| 62.5° | 1236.0 | 1210.7 | 1199.9 | 1196.3 |
| 65° | 928.8 | 925.1 | 903.5 | 899.9 |
| 67.5° | 672.2 | 657.7 | 643.3 | 646.9 |
| 70° | 473.4 | 451.8 | 451.8 | 444.5 |
| 72.5° | 307.2 | 296.3 | 292.7 | 292.7 |
| 75° | 191.5 | 191.5 | 184.3 | 198.8 |
| 77.5° | 126.5 | 126.5 | 122.9 | 126.5 |
| 80° | 75.9 | 75.9 | 75.9 | 72.2 |
| 82.5° | 47.0 | 50.6 | 47.0 | 47.0 |
| 85° | 25.3 | 28.9 | 21.7 | 32.5 |
| 87.5° | 14.4 | 18.0 | 14.4 | 18.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)