

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: P248503

Luminaire Tested: **LD8B150D010 ER8B150935 8LBDW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248503
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: LD8B150D010 ER8B150935 8LBDW0WH
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14151.0 lumens
Efficiency: N/A
Efficacy: 89.3 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

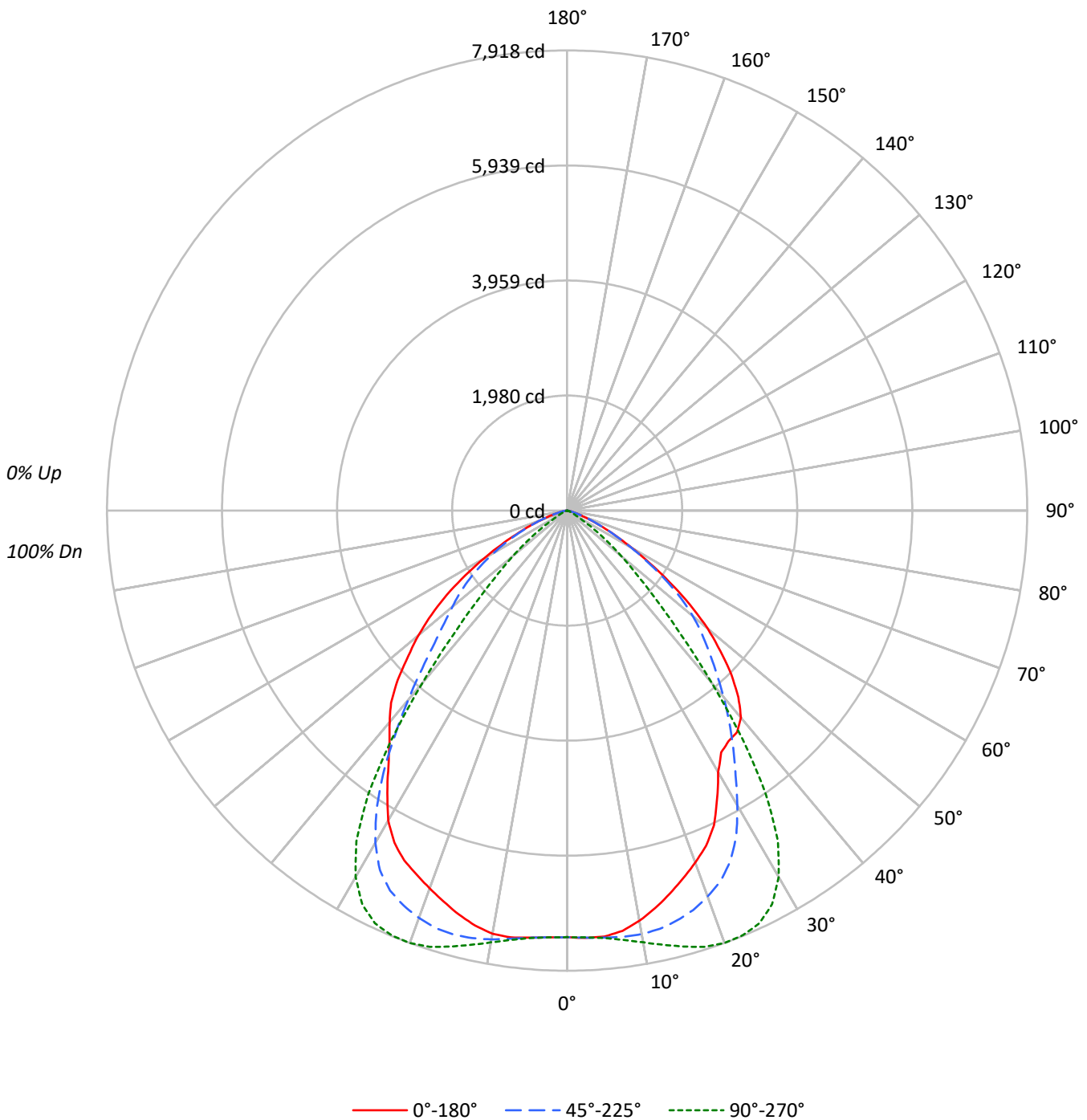
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248503

CATALOG NUMBER: LD8B150D010 ER8B150935 8LBDW0WH

Luminous Intensity Polar Plot





TEST NUMBER: P248503

CATALOG NUMBER: LD8B150D010 ER8B150935 8LBDW0WH

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° | 226369 | 226369 | 226369 |
| 5° | 227720 | 228562 | 228321 |
| 10° | 224373 | 236208 | 231574 |
| 15° | 217815 | 247916 | 229755 |
| 20° | 211491 | 259825 | 226964 |
| 25° | 203372 | 266477 | 225910 |
| 30° | 185080 | 259174 | 219213 |
| 35° | 182326 | 224570 | 201686 |
| 40° | 187282 | 155755 | 191198 |
| 45° | 174345 | 94135 | 179783 |
| 50° | 151225 | 58133 | 160196 |
| 55° | 116050 | 30375 | 135952 |
| 60° | 79064 | 12254 | 102611 |
| 65° | 49186 | 6253 | 70791 |
| 70° | 26696 | 3868 | 43213 |
| 75° | 13928 | 1847 | 25532 |
| 80° | 6233 | 2078 | 13833 |
| 85° | 4140 | 1380 | 12419 |



TEST NUMBER: P248503

CATALOG NUMBER: LD8B150D010 ER8B150935 8LBDW0WH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 706.0 | 5.0 |
| 10°-20° | 2091.4 | 14.8 |
| 20°-30° | 3190.6 | 22.5 |
| 30°-40° | 3329.4 | 23.5 |
| 40°-50° | 2500.8 | 17.7 |
| 50°-60° | 1538.7 | 10.9 |
| 60°-70° | 626.2 | 4.4 |
| 70°-80° | 147.5 | 1.0 |
| 80°-90° | 20.3 | 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° | 5988.0 | 42.3 |
| 0°-40° | 9317.4 | 65.8 |
| 0°-60° | 13356.9 | 94.4 |
| 0°-90° | 14151.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 14151.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 7341 | 7341 | 7341 | 7341 | 7341 | |
| 5° | 7357 | 7376 | 7384 | 7376 | 7376 | 696 |
| 15° | 6823 | 7302 | 7766 | 7552 | 7197 | 1922 |
| 25° | 5977 | 6648 | 7832 | 7212 | 6640 | 2717 |
| 35° | 4843 | 4980 | 5966 | 5514 | 5358 | 3058 |
| 45° | 3998 | 3460 | 2159 | 3222 | 4123 | 3050 |
| 55° | 2159 | 2050 | 565 | 2050 | 2529 | 1940 |
| 65° | 674 | 682 | 86 | 916 | 970 | 703 |
| 75° | 117 | 117 | 16 | 206 | 214 | 141 |
| 85° | 12 | 12 | 4 | 27 | 35 | 16 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P248503

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 |
| 2.5° | 7360.6 | 7348.9 | 7360.6 | 7360.6 | 7364.5 | 7356.7 | 7360.6 | 7364.5 | 7356.7 | 7356.7 | 7356.7 |
| 5° | 7356.7 | 7348.9 | 7356.7 | 7352.8 | 7360.6 | 7360.6 | 7368.4 | 7368.4 | 7376.1 | 7376.1 | 7387.9 |
| 7.5° | 7294.3 | 7278.8 | 7294.3 | 7306.0 | 7313.8 | 7329.4 | 7348.9 | 7364.5 | 7380.0 | 7395.7 | 7415.1 |
| 10° | 7165.7 | 7165.7 | 7177.4 | 7200.8 | 7224.2 | 7251.4 | 7286.5 | 7325.5 | 7364.5 | 7399.5 | 7434.6 |
| 12.5° | 7006.0 | 6994.3 | 7017.6 | 7048.8 | 7083.9 | 7126.8 | 7181.3 | 7239.8 | 7302.1 | 7372.2 | 7426.8 |
| 15° | 6822.9 | 6811.1 | 6838.4 | 6869.6 | 6912.5 | 6974.8 | 7041.1 | 7119.0 | 7208.6 | 7302.1 | 7391.8 |
| 17.5° | 6635.8 | 6631.9 | 6659.2 | 6702.1 | 6737.1 | 6803.3 | 6889.1 | 6982.6 | 7083.9 | 7208.6 | 7325.5 |
| 20° | 6444.9 | 6441.0 | 6468.3 | 6503.4 | 6550.1 | 6612.4 | 6698.1 | 6807.2 | 6928.0 | 7068.4 | 7204.7 |
| 22.5° | 6246.1 | 6250.0 | 6273.4 | 6312.4 | 6351.4 | 6417.6 | 6507.2 | 6616.3 | 6748.8 | 6900.8 | 7052.7 |
| 25° | 5977.3 | 5957.8 | 5989.0 | 6028.0 | 6094.2 | 6148.7 | 6234.5 | 6351.4 | 6487.7 | 6647.5 | 6826.8 |
| 27.5° | 5587.6 | 5583.7 | 5611.1 | 5646.1 | 5704.5 | 5770.8 | 5864.3 | 5985.1 | 6129.2 | 6304.6 | 6479.9 |
| 30° | 5197.9 | 5205.8 | 5217.5 | 5252.6 | 5291.5 | 5357.7 | 5451.3 | 5552.6 | 5689.0 | 5856.5 | 6043.5 |
| 32.5° | 4933.0 | 4933.0 | 4948.6 | 4972.0 | 4999.3 | 5034.3 | 5100.6 | 5174.6 | 5279.8 | 5396.7 | 5533.1 |
| 35° | 4843.4 | 4827.8 | 4843.4 | 4847.3 | 4851.2 | 4859.0 | 4870.6 | 4894.1 | 4929.1 | 4979.8 | 5030.4 |
| 37.5° | 4804.5 | 4792.7 | 4792.7 | 4777.2 | 4757.7 | 4734.3 | 4703.1 | 4668.0 | 4629.1 | 4578.4 | 4539.5 |
| 40° | 4652.5 | 4644.7 | 4636.9 | 4621.3 | 4578.4 | 4531.7 | 4481.0 | 4399.2 | 4309.5 | 4184.8 | 4060.2 |
| 42.5° | 4360.3 | 4352.5 | 4348.5 | 4317.4 | 4278.4 | 4223.8 | 4165.4 | 4079.7 | 3966.7 | 3806.9 | 3627.7 |
| 45° | 3997.9 | 3982.2 | 3970.6 | 3943.3 | 3916.0 | 3869.3 | 3814.7 | 3736.7 | 3623.8 | 3460.1 | 3245.8 |
| 47.5° | 3577.0 | 3569.2 | 3565.3 | 3553.7 | 3526.4 | 3499.0 | 3464.1 | 3401.7 | 3300.4 | 3144.5 | 2922.4 |
| 50° | 3152.3 | 3136.7 | 3144.5 | 3140.7 | 3128.9 | 3109.5 | 3086.0 | 3043.2 | 2965.2 | 2825.0 | 2622.4 |
| 52.5° | 2665.2 | 2665.2 | 2661.4 | 2673.0 | 2676.9 | 2673.0 | 2676.9 | 2630.2 | 2563.9 | 2458.7 | 2287.3 |
| 55° | 2158.6 | 2158.6 | 2170.4 | 2186.0 | 2201.5 | 2205.4 | 2201.5 | 2182.1 | 2135.3 | 2049.6 | 1897.6 |
| 57.5° | 1683.3 | 1675.5 | 1698.9 | 1722.3 | 1737.9 | 1753.4 | 1741.7 | 1726.2 | 1698.9 | 1628.7 | 1511.8 |
| 60° | 1282.0 | 1282.0 | 1297.5 | 1313.1 | 1328.7 | 1344.3 | 1340.4 | 1336.5 | 1313.1 | 1266.3 | 1172.9 |
| 62.5° | 942.9 | 946.8 | 946.8 | 958.6 | 974.1 | 989.7 | 1001.4 | 989.7 | 978.0 | 946.8 | 884.5 |
| 65° | 674.1 | 670.2 | 674.1 | 685.8 | 697.5 | 713.1 | 720.9 | 717.0 | 705.2 | 681.9 | 635.2 |
| 67.5° | 452.0 | 448.1 | 463.6 | 467.6 | 475.4 | 491.0 | 487.1 | 491.0 | 487.1 | 467.6 | 428.7 |
| 70° | 296.1 | 288.3 | 296.1 | 292.2 | 303.9 | 307.9 | 315.6 | 319.5 | 315.6 | 303.9 | 292.2 |
| 72.5° | 183.2 | 179.2 | 183.2 | 187.1 | 191.0 | 194.8 | 202.6 | 202.6 | 198.7 | 191.0 | 175.3 |
| 75° | 116.9 | 105.2 | 109.1 | 101.3 | 109.1 | 109.1 | 116.9 | 120.8 | 116.9 | 116.9 | 109.1 |
| 77.5° | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 74.1 | 77.9 | 70.2 | 66.3 |
| 80° | 35.1 | 35.1 | 39.0 | 39.0 | 39.0 | 42.9 | 39.0 | 39.0 | 39.0 | 42.9 | 31.2 |
| 82.5° | 27.3 | 23.4 | 23.4 | 23.4 | 27.3 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 |
| 85° | 11.7 | 15.5 | 11.7 | 7.8 | 11.7 | 11.7 | 15.5 | 11.7 | 11.7 | 11.7 | 15.5 |
| 87.5° | 3.9 | 3.9 | 0.0 | 0.0 | 0.0 | 3.9 | 0.0 | 3.9 | 3.9 | 7.8 | 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 |



TEST NUMBER: P248503

CATALOG NUMBER: LD8B150D010 ER8B150935 8LBDW0WH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 |
| 2.5° | 7360.6 | 7352.8 | 7352.8 | 7348.9 | 7356.7 | 7348.9 | 7352.8 | 7348.9 | 7348.9 | 7356.7 | 7348.9 |
| 5° | 7387.9 | 7391.8 | 7383.9 | 7380.0 | 7391.8 | 7391.8 | 7391.8 | 7383.9 | 7383.9 | 7387.9 | 7383.9 |
| 7.5° | 7426.8 | 7434.6 | 7438.5 | 7442.4 | 7450.2 | 7454.1 | 7454.1 | 7450.2 | 7446.3 | 7458.0 | 7442.4 |
| 10° | 7469.7 | 7481.4 | 7504.7 | 7516.5 | 7535.9 | 7535.9 | 7543.7 | 7543.7 | 7535.9 | 7543.7 | 7539.8 |
| 12.5° | 7454.1 | 7524.2 | 7563.2 | 7590.5 | 7617.7 | 7641.1 | 7648.9 | 7652.8 | 7648.9 | 7664.5 | 7648.9 |
| 15° | 7481.4 | 7539.8 | 7602.2 | 7648.9 | 7699.5 | 7726.8 | 7734.6 | 7765.8 | 7773.6 | 7777.5 | 7754.2 |
| 17.5° | 7438.5 | 7543.7 | 7609.9 | 7680.1 | 7754.2 | 7804.8 | 7851.5 | 7871.0 | 7875.0 | 7882.7 | 7851.5 |
| 20° | 7341.0 | 7458.0 | 7559.3 | 7660.6 | 7746.3 | 7824.2 | 7863.2 | 7917.8 | 7902.2 | 7933.4 | 7890.5 |
| 22.5° | 7208.6 | 7341.0 | 7469.7 | 7602.2 | 7691.8 | 7785.3 | 7867.1 | 7906.0 | 7925.6 | 7925.6 | 7878.8 |
| 25° | 6998.2 | 7154.1 | 7294.3 | 7430.7 | 7567.1 | 7680.1 | 7773.6 | 7832.0 | 7843.8 | 7839.9 | 7785.3 |
| 27.5° | 6670.9 | 6838.4 | 7002.1 | 7158.0 | 7325.5 | 7458.0 | 7567.1 | 7637.2 | 7656.7 | 7656.7 | 7598.3 |
| 30° | 6218.9 | 6398.1 | 6557.9 | 6744.9 | 6916.4 | 7064.5 | 7216.4 | 7278.8 | 7313.8 | 7313.8 | 7247.6 |
| 32.5° | 5681.1 | 5833.1 | 5981.2 | 6164.3 | 6351.4 | 6518.9 | 6663.1 | 6748.8 | 6791.7 | 6787.8 | 6729.3 |
| 35° | 5096.7 | 5170.7 | 5283.7 | 5420.1 | 5587.6 | 5743.5 | 5883.7 | 5965.6 | 6039.6 | 6035.7 | 5981.2 |
| 37.5° | 4512.2 | 4492.7 | 4504.4 | 4555.1 | 4660.2 | 4769.4 | 4878.5 | 4956.4 | 5018.7 | 5046.1 | 5034.3 |
| 40° | 3939.4 | 3838.1 | 3740.6 | 3705.7 | 3713.4 | 3752.4 | 3810.8 | 3869.3 | 3939.4 | 3974.5 | 3990.1 |
| 42.5° | 3425.1 | 3253.6 | 3082.1 | 2953.6 | 2879.5 | 2856.2 | 2883.4 | 2902.9 | 2945.8 | 2996.4 | 3047.1 |
| 45° | 3012.0 | 2782.2 | 2556.1 | 2357.4 | 2232.7 | 2158.6 | 2143.1 | 2158.6 | 2182.1 | 2232.7 | 2299.0 |
| 47.5° | 2673.0 | 2404.1 | 2150.9 | 1928.8 | 1745.6 | 1648.3 | 1621.0 | 1613.2 | 1636.5 | 1683.3 | 1772.9 |
| 50° | 2373.0 | 2104.1 | 1823.6 | 1566.4 | 1375.5 | 1266.3 | 1227.4 | 1211.8 | 1239.1 | 1274.1 | 1356.0 |
| 52.5° | 2045.7 | 1780.7 | 1492.4 | 1243.0 | 1044.3 | 931.3 | 888.4 | 865.0 | 880.6 | 927.4 | 1009.2 |
| 55° | 1691.1 | 1445.6 | 1184.5 | 927.4 | 736.4 | 631.3 | 580.5 | 565.0 | 580.5 | 631.3 | 713.1 |
| 57.5° | 1336.5 | 1130.0 | 911.8 | 670.2 | 498.7 | 393.6 | 342.9 | 327.3 | 370.2 | 389.7 | 475.4 |
| 60° | 1044.3 | 876.8 | 689.7 | 491.0 | 342.9 | 261.0 | 210.4 | 198.7 | 218.2 | 253.2 | 323.4 |
| 62.5° | 783.2 | 678.0 | 529.9 | 350.7 | 253.2 | 167.5 | 140.2 | 128.6 | 140.2 | 167.5 | 222.1 |
| 65° | 568.9 | 487.1 | 370.2 | 257.1 | 171.4 | 124.7 | 93.5 | 85.7 | 97.4 | 116.9 | 163.7 |
| 67.5° | 389.7 | 327.3 | 257.1 | 179.2 | 116.9 | 77.9 | 66.3 | 66.3 | 70.2 | 85.7 | 120.8 |
| 70° | 253.2 | 214.3 | 163.7 | 116.9 | 77.9 | 58.4 | 50.6 | 42.9 | 50.6 | 62.4 | 81.8 |
| 72.5° | 159.8 | 136.3 | 105.2 | 81.8 | 58.4 | 42.9 | 35.1 | 31.2 | 39.0 | 46.7 | 62.4 |
| 75° | 97.4 | 74.1 | 54.5 | 42.9 | 31.2 | 31.2 | 31.2 | 15.5 | 19.5 | 31.2 | 39.0 |
| 77.5° | 58.4 | 50.6 | 42.9 | 35.1 | 27.3 | 15.5 | 15.5 | 15.5 | 19.5 | 23.4 | 35.1 |
| 80° | 31.2 | 27.3 | 19.5 | 19.5 | 15.5 | 11.7 | 15.5 | 11.7 | 7.8 | 19.5 | 23.4 |
| 82.5° | 19.5 | 15.5 | 15.5 | 15.5 | 19.5 | 7.8 | 11.7 | 7.8 | 11.7 | 15.5 | 11.7 |
| 85° | 11.7 | 11.7 | 11.7 | 7.8 | 19.5 | 7.8 | 7.8 | 3.9 | 3.9 | 7.8 | 7.8 |
| 87.5° | 0.0 | 3.9 | 3.9 | 0.0 | 3.9 | 0.0 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 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: P248503

CATALOG NUMBER: LD8B150D010 ER8B150935 8LBDW0WH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 | 7341.0 |
| 2.5° | 7352.8 | 7348.9 | 7352.8 | 7348.9 | 7348.9 | 7348.9 | 7352.8 | 7352.8 | 7348.9 | 7348.9 | 7356.7 |
| 5° | 7383.9 | 7383.9 | 7383.9 | 7380.0 | 7376.1 | 7376.1 | 7383.9 | 7383.9 | 7372.2 | 7383.9 | 7383.9 |
| 7.5° | 7450.2 | 7438.5 | 7450.2 | 7434.6 | 7426.8 | 7430.7 | 7434.6 | 7426.8 | 7419.0 | 7422.9 | 7422.9 |
| 10° | 7535.9 | 7524.2 | 7524.2 | 7512.6 | 7500.8 | 7493.0 | 7485.3 | 7465.7 | 7446.3 | 7442.4 | 7426.8 |
| 12.5° | 7637.2 | 7617.7 | 7606.1 | 7582.6 | 7563.2 | 7535.9 | 7512.6 | 7481.4 | 7442.4 | 7415.1 | 7387.9 |
| 15° | 7738.5 | 7707.3 | 7680.1 | 7641.1 | 7598.3 | 7551.5 | 7500.8 | 7450.2 | 7387.9 | 7333.3 | 7286.5 |
| 17.5° | 7820.3 | 7777.5 | 7726.8 | 7664.5 | 7602.2 | 7532.0 | 7458.0 | 7383.9 | 7294.3 | 7224.2 | 7169.6 |
| 20° | 7847.6 | 7785.3 | 7719.1 | 7637.2 | 7555.4 | 7458.0 | 7364.5 | 7267.1 | 7165.7 | 7091.7 | 7029.4 |
| 22.5° | 7812.6 | 7738.5 | 7656.7 | 7571.0 | 7461.8 | 7356.7 | 7247.6 | 7134.5 | 7044.9 | 6943.7 | 6885.2 |
| 25° | 7715.2 | 7625.5 | 7535.9 | 7434.6 | 7329.4 | 7212.5 | 7095.6 | 6978.7 | 6869.6 | 6815.0 | 6741.1 |
| 27.5° | 7516.5 | 7419.0 | 7321.6 | 7216.4 | 7095.6 | 6978.7 | 6857.9 | 6744.9 | 6651.4 | 6577.4 | 6534.5 |
| 30° | 7165.7 | 7052.7 | 6939.7 | 6826.8 | 6721.5 | 6600.7 | 6487.7 | 6394.2 | 6300.7 | 6242.2 | 6199.4 |
| 32.5° | 6628.0 | 6526.7 | 6413.7 | 6304.6 | 6207.2 | 6105.9 | 6012.4 | 5930.5 | 5864.3 | 5825.3 | 5794.1 |
| 35° | 5903.3 | 5801.9 | 5716.2 | 5638.3 | 5556.4 | 5513.6 | 5455.2 | 5408.4 | 5381.1 | 5365.6 | 5361.6 |
| 37.5° | 4991.4 | 4933.0 | 4905.7 | 4890.2 | 4874.5 | 4862.9 | 4870.6 | 4890.2 | 4905.7 | 4933.0 | 4964.2 |
| 40° | 4017.3 | 4068.0 | 4083.6 | 4138.1 | 4188.8 | 4255.0 | 4329.1 | 4414.8 | 4484.9 | 4574.5 | 4636.9 |
| 42.5° | 3128.9 | 3222.5 | 3331.5 | 3448.4 | 3573.1 | 3693.9 | 3842.0 | 3978.3 | 4103.0 | 4216.0 | 4313.5 |
| 45° | 2404.1 | 2548.3 | 2712.0 | 2879.5 | 3047.1 | 3222.5 | 3401.7 | 3569.2 | 3717.3 | 3838.1 | 3939.4 |
| 47.5° | 1874.2 | 2034.0 | 2244.4 | 2451.0 | 2653.6 | 2860.1 | 3058.8 | 3234.1 | 3358.8 | 3475.7 | 3565.3 |
| 50° | 1484.6 | 1667.7 | 1897.6 | 2135.3 | 2357.4 | 2575.6 | 2786.0 | 2949.7 | 3074.4 | 3167.9 | 3234.1 |
| 52.5° | 1149.4 | 1367.7 | 1601.5 | 1850.9 | 2088.6 | 2326.2 | 2521.0 | 2673.0 | 2774.4 | 2856.2 | 2906.8 |
| 55° | 857.2 | 1071.5 | 1321.0 | 1578.1 | 1819.7 | 2049.6 | 2232.7 | 2365.2 | 2454.9 | 2501.6 | 2528.8 |
| 57.5° | 619.5 | 814.4 | 1063.7 | 1321.0 | 1539.1 | 1757.3 | 1905.4 | 2026.2 | 2076.8 | 2104.1 | 2115.8 |
| 60° | 452.0 | 631.3 | 853.3 | 1075.5 | 1282.0 | 1457.3 | 1585.9 | 1667.7 | 1706.7 | 1722.3 | 1718.3 |
| 62.5° | 331.2 | 487.1 | 678.0 | 865.0 | 1032.6 | 1176.7 | 1278.1 | 1332.6 | 1352.1 | 1359.9 | 1348.2 |
| 65° | 253.2 | 374.0 | 537.7 | 681.9 | 810.5 | 915.7 | 989.7 | 1024.8 | 1036.5 | 1032.6 | 1024.8 |
| 67.5° | 187.1 | 280.6 | 401.4 | 510.5 | 604.0 | 685.8 | 724.8 | 756.0 | 763.7 | 752.1 | 740.3 |
| 70° | 132.5 | 206.5 | 292.2 | 366.3 | 436.4 | 483.2 | 526.0 | 529.9 | 529.9 | 526.0 | 518.3 |
| 72.5° | 93.5 | 144.2 | 198.7 | 249.4 | 292.2 | 327.3 | 342.9 | 354.6 | 350.7 | 346.8 | 339.0 |
| 75° | 62.4 | 89.6 | 144.2 | 155.9 | 194.8 | 206.5 | 222.1 | 222.1 | 226.0 | 214.3 | 214.3 |
| 77.5° | 39.0 | 62.4 | 85.7 | 101.3 | 116.9 | 132.5 | 140.2 | 140.2 | 144.2 | 140.2 | 140.2 |
| 80° | 23.4 | 39.0 | 46.7 | 70.2 | 70.2 | 81.8 | 85.7 | 89.6 | 81.8 | 93.5 | 81.8 |
| 82.5° | 15.5 | 23.4 | 35.1 | 35.1 | 42.9 | 50.6 | 50.6 | 54.5 | 54.5 | 50.6 | 50.6 |
| 85° | 11.7 | 15.5 | 19.5 | 23.4 | 23.4 | 27.3 | 23.4 | 23.4 | 27.3 | 31.2 | 27.3 |
| 87.5° | 3.9 | 7.8 | 3.9 | 7.8 | 7.8 | 15.5 | 11.7 | 11.7 | 11.7 | 15.5 | 15.5 |
| 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: P248503

CATALOG NUMBER: LD8B150D010 ER8B150935 8LBDW0WH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 7341.0 | 7341.0 | 7341.0 | 7341.0 |
| 2.5° | 7348.9 | 7352.8 | 7348.9 | 7348.9 |
| 5° | 7383.9 | 7380.0 | 7383.9 | 7376.1 |
| 7.5° | 7411.2 | 7411.2 | 7407.3 | 7407.3 |
| 10° | 7411.2 | 7395.7 | 7395.7 | 7395.7 |
| 12.5° | 7352.8 | 7333.3 | 7321.6 | 7313.8 |
| 15° | 7251.4 | 7216.4 | 7200.8 | 7196.9 |
| 17.5° | 7119.0 | 7087.8 | 7068.4 | 7056.6 |
| 20° | 6967.0 | 6935.8 | 6912.5 | 6916.4 |
| 22.5° | 6834.5 | 6799.5 | 6783.9 | 6776.0 |
| 25° | 6702.1 | 6659.2 | 6647.5 | 6639.7 |
| 27.5° | 6487.7 | 6464.4 | 6452.6 | 6441.0 |
| 30° | 6160.4 | 6148.7 | 6129.2 | 6156.5 |
| 32.5° | 5782.5 | 5762.9 | 5747.4 | 5759.1 |
| 35° | 5365.6 | 5353.8 | 5365.6 | 5357.7 |
| 37.5° | 4983.7 | 4995.3 | 5011.0 | 5018.7 |
| 40° | 4683.7 | 4726.5 | 4742.1 | 4749.8 |
| 42.5° | 4383.6 | 4434.3 | 4465.4 | 4484.9 |
| 45° | 4013.4 | 4064.0 | 4099.1 | 4122.6 |
| 47.5° | 3631.6 | 3674.5 | 3709.5 | 3705.7 |
| 50° | 3284.8 | 3308.2 | 3323.7 | 3339.3 |
| 52.5° | 2934.1 | 2934.1 | 2938.0 | 2938.0 |
| 55° | 2536.7 | 2528.8 | 2524.9 | 2528.8 |
| 57.5° | 2100.2 | 2092.5 | 2088.6 | 2076.8 |
| 60° | 1702.8 | 1679.4 | 1663.8 | 1663.8 |
| 62.5° | 1332.6 | 1305.3 | 1293.7 | 1289.8 |
| 65° | 1001.4 | 997.5 | 974.1 | 970.2 |
| 67.5° | 724.8 | 709.2 | 693.6 | 697.5 |
| 70° | 510.5 | 487.1 | 487.1 | 479.3 |
| 72.5° | 331.2 | 319.5 | 315.6 | 315.6 |
| 75° | 206.5 | 206.5 | 198.7 | 214.3 |
| 77.5° | 136.3 | 136.3 | 132.5 | 136.3 |
| 80° | 81.8 | 81.8 | 81.8 | 77.9 |
| 82.5° | 50.6 | 54.5 | 50.6 | 50.6 |
| 85° | 27.3 | 31.2 | 23.4 | 35.1 |
| 87.5° | 15.5 | 19.5 | 15.5 | 19.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)