

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: P250213

Luminaire Tested: **LD8B100D010 ER8B100830 8LBSW0WH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250213  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13955)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B100D010 ER8B100830 8LBSW0WH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 3000 CCT WITH WHEAT TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10662.0 lumens  
Efficiency: N/A  
Efficacy: 100.3 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.15  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

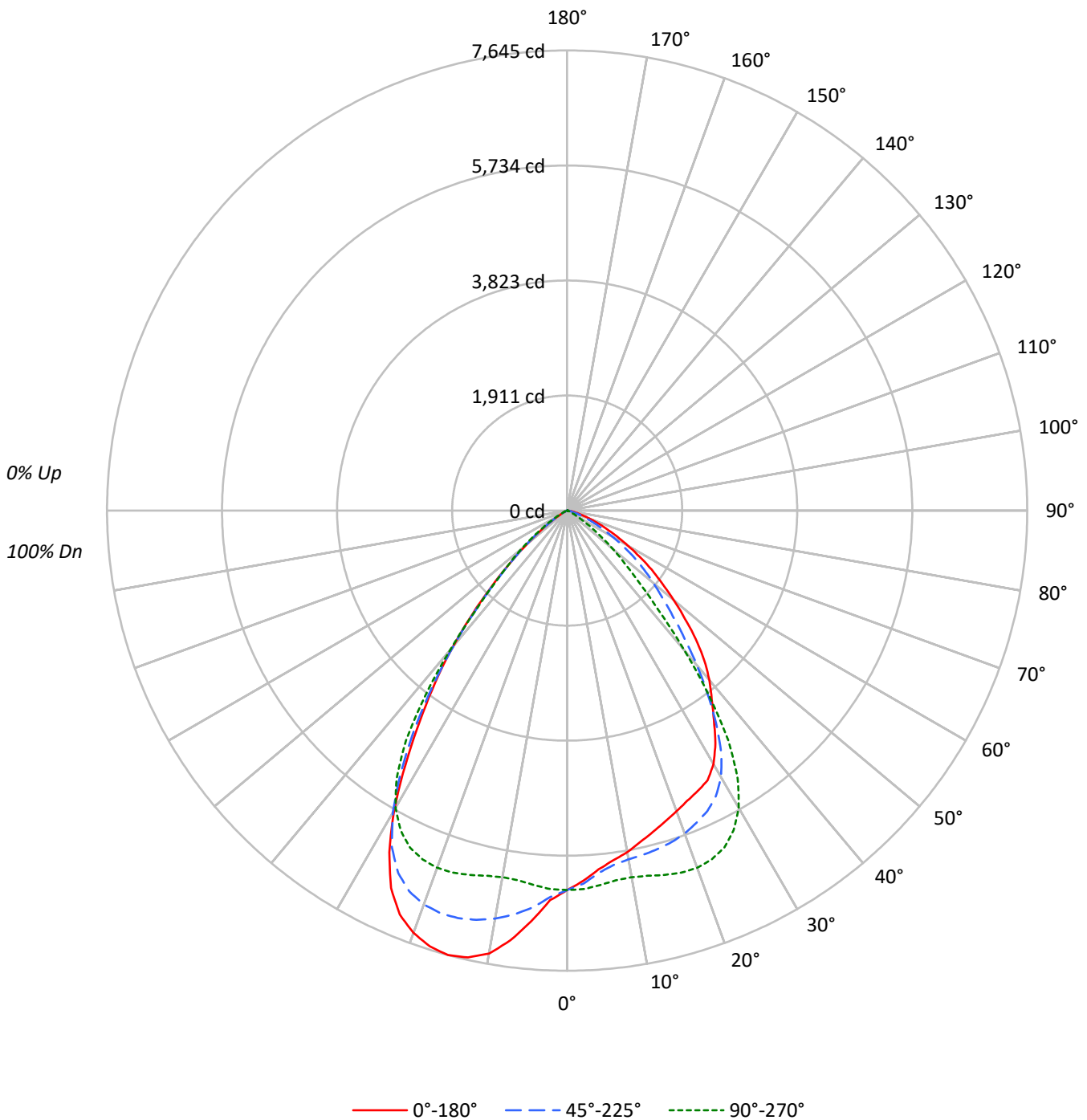
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P250213

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0WH

### Luminous Intensity Polar Plot





TEST NUMBER: P250213

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0WH

**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 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98  | 99  | 97  | 96  | 95  | 94  | 93  | 91  |    |    |    |    | 91  |   |  |   |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  | 91  | 88  | 85  | 88  | 86  | 83  | 82  |    |    |    |    | 82  |   |  |   |
| 3   | 98  | 90  | 84  | 80  | 96  | 89  | 83  | 79  | 86  | 82  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 73  |    |    |    |    | 73  |   |  |   |
| 4   | 92  | 83  | 76  | 71  | 90  | 81  | 75  | 70  | 79  | 74  | 70  | 77  | 72  | 69  | 75  | 71  | 68  | 66  |    |    |    |    | 66  |   |  |   |
| 5   | 86  | 76  | 69  | 64  | 84  | 75  | 68  | 63  | 73  | 67  | 63  | 71  | 66  | 62  | 69  | 65  | 61  | 60  |    |    |    |    | 60  |   |  |   |
| 6   | 80  | 70  | 63  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 57  | 66  | 60  | 56  | 64  | 60  | 56  | 54  |    |    |    |    | 54  |   |  |   |
| 7   | 75  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  | 49  |    |    |    |    | 49  |   |  |   |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 52  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  |    |    |    |    | 45  |   |  |   |
| 9   | 67  | 55  | 48  | 44  | 66  | 55  | 48  | 44  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 42  |    |    |    |    | 42  |   |  |   |
| 10  | 63  | 52  | 45  | 40  | 62  | 51  | 45  | 40  | 50  | 44  | 40  | 49  | 44  | 40  | 49  | 43  | 40  | 38  |    |    |    |    | 38  |   |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 194408 | 194408 | 194408 |
| 5°  | 185211 | 193324 | 211930 |
| 10° | 180432 | 193624 | 233935 |
| 15° | 176342 | 200040 | 244057 |
| 20° | 174400 | 207268 | 244973 |
| 25° | 174809 | 210198 | 235454 |
| 30° | 173187 | 202980 | 204764 |
| 35° | 160033 | 175667 | 160251 |
| 40° | 147881 | 121792 | 118830 |
| 45° | 131682 | 73490  | 75928  |
| 50° | 110803 | 47344  | 42964  |
| 55° | 92179  | 25972  | 19644  |
| 60° | 71947  | 11261  | 6180   |
| 65° | 53097  | 5589   | 3006   |
| 70° | 36920  | 3453   | 1325   |
| 75° | 22470  | 703    | 0      |
| 80° | 16213  | 1048   | 0      |
| 85° | 10437  | 1026   | 0      |



TEST NUMBER: P250213

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0WH

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 606.1   | 5.7       |
| 10°-20°   | 1813.9  | 17.0      |
| 20°-30°   | 2777.8  | 26.1      |
| 30°-40°   | 2723.2  | 25.5      |
| 40°-50°   | 1639.9  | 15.4      |
| 50°-60°   | 754.8   | 7.1       |
| 60°-70°   | 265.2   | 2.5       |
| 70°-80°   | 69.4    | 0.7       |
| 80°-90°   | 11.8    | 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°    | 5197.8  | 48.8      |
| 0°-40°    | 7921.0  | 74.3      |
| 0°-60°    | 10315.7 | 96.8      |
| 0°-90°    | 10662.0 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 10662.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 6304 | 6304 | 6304 | 6304 | 6304 |      |
| 5°  | 5983 | 6039 | 6246 | 6620 | 6847 | 565  |
| 15° | 5524 | 5821 | 6266 | 7009 | 7645 | 1561 |
| 25° | 5138 | 5509 | 6178 | 6643 | 6920 | 2366 |
| 35° | 4251 | 4310 | 4666 | 4398 | 4257 | 2662 |
| 45° | 3020 | 2486 | 1685 | 1697 | 1741 | 2316 |
| 55° | 1715 | 1358 | 483  | 380  | 365  | 1530 |
| 65° | 728  | 504  | 77   | 38   | 41   | 741  |
| 75° | 189  | 109  | 6    | 0    | 0    | 229  |
| 85° | 30   | 15   | 3    | 0    | 0    | 40   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



TEST NUMBER: P250213

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0WH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 |
| 2.5°  | 6157.1 | 6163.1 | 6163.1 | 6163.1 | 6174.8 | 6177.9 | 6174.8 | 6177.9 | 6183.7 | 6204.3 | 6213.2 |
| 5°    | 5983.4 | 5974.5 | 5980.5 | 5977.4 | 5992.2 | 6001.1 | 5995.1 | 6004.0 | 6024.6 | 6039.4 | 6054.1 |
| 7.5°  | 5859.7 | 5859.7 | 5859.7 | 5865.5 | 5874.4 | 5892.1 | 5889.1 | 5895.0 | 5915.6 | 5936.2 | 5956.8 |
| 10°   | 5762.4 | 5759.5 | 5759.5 | 5774.2 | 5786.0 | 5806.6 | 5812.5 | 5830.2 | 5856.6 | 5883.2 | 5906.7 |
| 12.5° | 5635.7 | 5638.7 | 5653.4 | 5668.2 | 5694.6 | 5727.0 | 5744.7 | 5768.4 | 5809.6 | 5853.7 | 5880.3 |
| 15°   | 5523.8 | 5526.7 | 5538.6 | 5567.9 | 5600.4 | 5638.7 | 5676.9 | 5715.3 | 5765.3 | 5821.4 | 5868.5 |
| 17.5° | 5414.8 | 5417.7 | 5426.5 | 5459.0 | 5500.3 | 5550.3 | 5594.5 | 5644.6 | 5709.4 | 5774.2 | 5833.1 |
| 20°   | 5314.6 | 5311.7 | 5326.4 | 5355.8 | 5409.0 | 5456.0 | 5500.3 | 5559.2 | 5629.9 | 5709.4 | 5777.1 |
| 22.5° | 5217.4 | 5217.4 | 5232.2 | 5261.6 | 5308.8 | 5355.8 | 5403.0 | 5464.9 | 5535.5 | 5612.2 | 5691.7 |
| 25°   | 5137.8 | 5134.9 | 5155.5 | 5170.3 | 5205.6 | 5252.8 | 5302.9 | 5352.9 | 5423.6 | 5509.1 | 5585.6 |
| 27.5° | 5052.4 | 5049.5 | 5052.4 | 5070.2 | 5102.5 | 5137.8 | 5176.1 | 5220.4 | 5279.3 | 5350.0 | 5423.6 |
| 30°   | 4863.9 | 4866.8 | 4866.8 | 4881.6 | 4899.3 | 4937.5 | 4958.1 | 5002.4 | 5055.4 | 5114.3 | 5179.2 |
| 32.5° | 4584.0 | 4586.9 | 4586.9 | 4592.9 | 4607.5 | 4625.2 | 4642.9 | 4675.3 | 4716.6 | 4766.6 | 4825.6 |
| 35°   | 4251.2 | 4251.2 | 4248.1 | 4251.2 | 4260.0 | 4260.0 | 4274.7 | 4260.0 | 4280.6 | 4310.1 | 4354.2 |
| 37.5° | 3944.7 | 3938.8 | 3933.0 | 3927.0 | 3918.2 | 3903.5 | 3882.9 | 3847.5 | 3838.6 | 3826.9 | 3829.8 |
| 40°   | 3673.7 | 3670.8 | 3653.1 | 3638.3 | 3608.8 | 3573.6 | 3523.5 | 3461.6 | 3411.5 | 3352.6 | 3302.5 |
| 42.5° | 3373.2 | 3370.2 | 3355.5 | 3329.0 | 3296.6 | 3243.6 | 3164.1 | 3081.6 | 2981.4 | 2893.0 | 2801.7 |
| 45°   | 3019.6 | 3028.5 | 3007.9 | 2978.4 | 2940.1 | 2890.0 | 2801.7 | 2701.4 | 2601.3 | 2486.4 | 2371.5 |
| 47.5° | 2651.4 | 2648.5 | 2633.8 | 2616.1 | 2583.7 | 2533.6 | 2474.7 | 2365.7 | 2259.6 | 2153.6 | 2035.7 |
| 50°   | 2309.7 | 2297.9 | 2291.9 | 2274.4 | 2253.8 | 2212.5 | 2150.6 | 2062.2 | 1967.9 | 1867.8 | 1758.8 |
| 52.5° | 1985.6 | 1985.6 | 1970.8 | 1959.1 | 1941.4 | 1909.0 | 1856.0 | 1785.3 | 1705.8 | 1611.4 | 1496.6 |
| 55°   | 1714.6 | 1708.7 | 1694.0 | 1679.2 | 1661.5 | 1640.9 | 1593.9 | 1534.9 | 1449.4 | 1358.1 | 1258.0 |
| 57.5° | 1425.9 | 1422.9 | 1417.1 | 1399.3 | 1390.5 | 1369.9 | 1316.9 | 1258.0 | 1184.4 | 1104.8 | 1022.2 |
| 60°   | 1166.6 | 1154.9 | 1143.0 | 1131.2 | 1116.6 | 1096.0 | 1060.5 | 1010.5 | 948.6  | 877.9  | 795.5  |
| 62.5° | 933.9  | 951.5  | 916.2  | 916.2  | 886.8  | 869.1  | 836.7  | 807.2  | 742.4  | 677.6  | 606.9  |
| 65°   | 727.7  | 727.7  | 712.9  | 701.1  | 683.4  | 662.8  | 630.4  | 601.0  | 553.8  | 503.7  | 453.6  |
| 67.5° | 556.8  | 553.8  | 539.1  | 527.4  | 512.6  | 500.8  | 477.3  | 441.9  | 406.6  | 365.4  | 324.0  |
| 70°   | 409.5  | 406.6  | 403.6  | 382.9  | 371.2  | 356.5  | 338.8  | 315.3  | 288.7  | 259.3  | 220.9  |
| 72.5° | 294.5  | 294.5  | 285.8  | 277.0  | 265.2  | 253.3  | 235.7  | 220.9  | 197.4  | 176.8  | 150.2  |
| 75°   | 188.6  | 185.7  | 185.7  | 170.9  | 170.9  | 153.2  | 141.4  | 132.5  | 120.8  | 109.0  | 85.5   |
| 77.5° | 135.6  | 132.5  | 129.6  | 123.7  | 117.9  | 111.9  | 103.1  | 91.3   | 82.5   | 70.7   | 61.8   |
| 80°   | 91.3   | 85.5   | 82.5   | 82.5   | 73.6   | 70.7   | 73.6   | 56.0   | 53.0   | 44.1   | 38.3   |
| 82.5° | 56.0   | 56.0   | 53.0   | 53.0   | 50.1   | 47.2   | 38.3   | 38.3   | 35.4   | 32.4   | 26.6   |
| 85°   | 29.5   | 38.3   | 26.6   | 29.5   | 26.6   | 29.5   | 26.6   | 20.6   | 17.7   | 14.7   | 14.7   |
| 87.5° | 17.7   | 11.8   | 11.8   | 17.7   | 14.7   | 11.8   | 11.8   | 11.8   | 8.9    | 5.9    | 5.9    |
| 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: P250213

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0WH

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 |
| 2.5°  | 6207.3 | 6227.9 | 6224.9 | 6251.5 | 6260.3 | 6280.9 | 6280.9 | 6295.6 | 6304.5 | 6325.1 | 6342.8 |
| 5°    | 6060.0 | 6092.4 | 6101.2 | 6133.6 | 6160.2 | 6192.5 | 6213.2 | 6245.5 | 6275.0 | 6319.3 | 6360.5 |
| 7.5°  | 5968.7 | 5995.1 | 6012.8 | 6051.1 | 6080.6 | 6115.9 | 6151.3 | 6195.4 | 6236.7 | 6289.8 | 6348.7 |
| 10°   | 5924.4 | 5959.8 | 5986.3 | 6024.6 | 6060.0 | 6098.3 | 6133.6 | 6183.7 | 6230.9 | 6298.6 | 6363.4 |
| 12.5° | 5912.7 | 5953.9 | 5986.3 | 6039.4 | 6074.7 | 6115.9 | 6157.1 | 6213.2 | 6263.2 | 6333.9 | 6407.7 |
| 15°   | 5912.7 | 5968.7 | 6012.8 | 6071.8 | 6113.0 | 6166.0 | 6210.2 | 6266.1 | 6322.2 | 6395.8 | 6466.5 |
| 17.5° | 5900.9 | 5968.7 | 6024.6 | 6092.4 | 6145.4 | 6198.5 | 6254.4 | 6307.5 | 6366.3 | 6437.1 | 6516.5 |
| 20°   | 5853.7 | 5939.2 | 6006.9 | 6086.4 | 6142.5 | 6201.4 | 6257.4 | 6316.2 | 6378.2 | 6451.8 | 6519.6 |
| 22.5° | 5771.3 | 5871.4 | 5948.1 | 6033.4 | 6098.3 | 6157.1 | 6213.2 | 6272.1 | 6339.9 | 6410.6 | 6481.3 |
| 25°   | 5662.3 | 5756.5 | 5839.1 | 5927.3 | 5992.2 | 6057.0 | 6110.1 | 6177.9 | 6239.7 | 6307.5 | 6363.4 |
| 27.5° | 5497.2 | 5597.4 | 5676.9 | 5768.4 | 5827.2 | 5889.1 | 5933.3 | 5989.3 | 6048.2 | 6104.1 | 6148.4 |
| 30°   | 5249.9 | 5341.2 | 5423.6 | 5506.1 | 5565.0 | 5609.3 | 5656.3 | 5700.6 | 5738.9 | 5777.1 | 5815.4 |
| 32.5° | 4887.4 | 4970.0 | 5049.5 | 5126.1 | 5173.2 | 5211.5 | 5246.8 | 5273.4 | 5294.0 | 5314.6 | 5317.5 |
| 35°   | 4389.6 | 4457.3 | 4507.4 | 4575.2 | 4619.4 | 4654.7 | 4654.7 | 4666.5 | 4663.6 | 4654.7 | 4645.9 |
| 37.5° | 3832.8 | 3859.2 | 3879.9 | 3906.4 | 3909.3 | 3909.3 | 3891.7 | 3876.9 | 3853.4 | 3847.5 | 3829.8 |
| 40°   | 3252.5 | 3217.0 | 3190.5 | 3155.2 | 3134.6 | 3090.3 | 3052.1 | 3025.6 | 2987.3 | 2981.4 | 2975.5 |
| 42.5° | 2701.4 | 2619.0 | 2545.4 | 2483.5 | 2412.8 | 2350.9 | 2295.0 | 2253.8 | 2224.3 | 2221.3 | 2224.3 |
| 45°   | 2253.8 | 2159.4 | 2050.4 | 1965.0 | 1885.5 | 1808.8 | 1735.2 | 1685.2 | 1658.6 | 1652.7 | 1658.6 |
| 47.5° | 1914.9 | 1805.9 | 1699.8 | 1602.6 | 1517.2 | 1431.7 | 1358.1 | 1290.3 | 1258.0 | 1249.1 | 1246.2 |
| 50°   | 1646.8 | 1534.9 | 1422.9 | 1322.7 | 1228.5 | 1143.0 | 1051.7 | 986.9  | 945.7  | 930.9  | 919.2  |
| 52.5° | 1384.7 | 1284.5 | 1169.6 | 1066.5 | 972.1  | 872.0  | 777.8  | 704.0  | 662.8  | 645.2  | 633.3  |
| 55°   | 1154.9 | 1054.7 | 948.6  | 848.5  | 748.3  | 648.1  | 553.8  | 483.1  | 439.0  | 418.3  | 403.6  |
| 57.5° | 922.1  | 827.8  | 736.5  | 636.4  | 553.8  | 456.7  | 362.3  | 300.5  | 262.2  | 238.6  | 226.9  |
| 60°   | 712.9  | 639.3  | 559.7  | 477.3  | 397.7  | 318.2  | 241.6  | 182.6  | 153.2  | 135.6  | 120.8  |
| 62.5° | 539.1  | 477.3  | 424.2  | 353.5  | 291.6  | 223.8  | 165.0  | 117.9  | 91.3   | 76.6   | 70.7   |
| 65°   | 388.9  | 341.7  | 294.5  | 250.4  | 206.3  | 156.2  | 111.9  | 76.6   | 53.0   | 44.1   | 41.2   |
| 67.5° | 277.0  | 238.6  | 203.2  | 173.8  | 141.4  | 111.9  | 79.5   | 53.0   | 41.2   | 35.4   | 32.4   |
| 70°   | 194.4  | 165.0  | 141.4  | 115.0  | 94.2   | 73.6   | 61.8   | 38.3   | 23.5   | 26.6   | 20.6   |
| 72.5° | 129.6  | 109.0  | 97.3   | 79.5   | 64.8   | 53.0   | 38.3   | 26.6   | 26.6   | 20.6   | 17.7   |
| 75°   | 70.7   | 64.8   | 50.1   | 38.3   | 32.4   | 29.5   | 11.8   | 5.9    | 2.9    | 8.9    | 2.9    |
| 77.5° | 50.1   | 44.1   | 38.3   | 32.4   | 26.6   | 20.6   | 11.8   | 11.8   | 8.9    | 11.8   | 5.9    |
| 80°   | 32.4   | 26.6   | 23.5   | 23.5   | 14.7   | 8.9    | 5.9    | 5.9    | 8.9    | 2.9    | 2.9    |
| 82.5° | 20.6   | 17.7   | 14.7   | 14.7   | 14.7   | 8.9    | 8.9    | 8.9    | 8.9    | 5.9    | 5.9    |
| 85°   | 11.8   | 8.9    | 5.9    | 5.9    | 2.9    | 5.9    | 0.0    | 2.9    | 2.9    | 0.0    | 0.0    |
| 87.5° | 5.9    | 2.9    | 2.9    | 2.9    | 2.9    | 0.0    | 0.0    | 2.9    | 0.0    | 2.9    | 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: P250213

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0WH

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 | 6304.5 |
| 2.5°  | 6354.5 | 6366.3 | 6381.1 | 6392.9 | 6419.4 | 6425.2 | 6437.1 | 6448.9 | 6457.7 | 6466.5 | 6469.5 |
| 5°    | 6395.8 | 6440.0 | 6481.3 | 6525.4 | 6581.4 | 6619.7 | 6663.9 | 6702.2 | 6740.5 | 6772.9 | 6796.4 |
| 7.5°  | 6407.7 | 6475.3 | 6537.3 | 6613.8 | 6696.3 | 6767.1 | 6840.7 | 6914.3 | 6990.9 | 7049.9 | 7099.9 |
| 10°   | 6431.2 | 6513.6 | 6593.2 | 6684.5 | 6790.6 | 6884.8 | 6976.1 | 7073.4 | 7170.6 | 7253.1 | 7326.8 |
| 12.5° | 6472.4 | 6563.7 | 6649.2 | 6749.4 | 6858.4 | 6964.4 | 7064.5 | 7173.5 | 7276.7 | 7368.0 | 7450.5 |
| 15°   | 6540.2 | 6625.6 | 6708.1 | 6802.4 | 6911.4 | 7008.6 | 7108.8 | 7214.8 | 7318.0 | 7412.2 | 7488.8 |
| 17.5° | 6584.3 | 6663.9 | 6746.3 | 6831.8 | 6923.1 | 7011.5 | 7105.8 | 7200.1 | 7294.3 | 7379.8 | 7450.5 |
| 20°   | 6584.3 | 6661.0 | 6722.8 | 6799.4 | 6884.8 | 6961.5 | 7038.1 | 7120.5 | 7203.0 | 7273.7 | 7341.5 |
| 22.5° | 6531.3 | 6604.9 | 6652.1 | 6711.1 | 6784.7 | 6849.5 | 6890.8 | 6982.1 | 7043.9 | 7105.8 | 7155.8 |
| 25°   | 6407.7 | 6460.6 | 6499.0 | 6540.2 | 6599.1 | 6643.3 | 6678.7 | 6731.7 | 6793.5 | 6817.2 | 6852.4 |
| 27.5° | 6183.7 | 6222.0 | 6242.6 | 6251.5 | 6280.9 | 6304.5 | 6310.4 | 6333.9 | 6360.5 | 6366.3 | 6381.1 |
| 30°   | 5830.2 | 5833.1 | 5824.3 | 5821.4 | 5806.6 | 5789.0 | 5786.0 | 5783.0 | 5771.3 | 5759.5 | 5762.4 |
| 32.5° | 5296.9 | 5282.2 | 5246.8 | 5208.6 | 5170.3 | 5129.1 | 5105.4 | 5076.0 | 5058.3 | 5040.7 | 5020.1 |
| 35°   | 4607.5 | 4572.3 | 4522.2 | 4475.0 | 4430.9 | 4398.4 | 4345.4 | 4327.7 | 4310.1 | 4286.4 | 4280.6 |
| 37.5° | 3797.4 | 3776.8 | 3729.6 | 3694.3 | 3670.8 | 3656.0 | 3629.5 | 3611.9 | 3611.9 | 3603.0 | 3597.1 |
| 40°   | 2960.7 | 2954.9 | 2937.2 | 2946.0 | 2934.3 | 2940.1 | 2937.2 | 2931.2 | 2946.0 | 2946.0 | 2952.0 |
| 42.5° | 2221.3 | 2224.3 | 2233.1 | 2239.0 | 2256.7 | 2259.6 | 2274.4 | 2274.4 | 2283.2 | 2291.9 | 2297.9 |
| 45°   | 1652.7 | 1664.5 | 1664.5 | 1676.3 | 1694.0 | 1696.9 | 1702.7 | 1705.8 | 1711.6 | 1726.4 | 1732.2 |
| 47.5° | 1240.3 | 1243.2 | 1243.2 | 1246.2 | 1252.0 | 1258.0 | 1255.0 | 1258.0 | 1266.8 | 1260.9 | 1266.8 |
| 50°   | 916.2  | 919.2  | 910.3  | 901.5  | 910.3  | 910.3  | 907.4  | 898.5  | 907.4  | 895.6  | 901.5  |
| 52.5° | 624.6  | 621.6  | 612.7  | 615.8  | 609.8  | 606.9  | 606.9  | 601.0  | 601.0  | 601.0  | 589.2  |
| 55°   | 394.8  | 394.8  | 388.9  | 388.9  | 386.0  | 380.0  | 377.1  | 374.1  | 371.2  | 368.3  | 368.3  |
| 57.5° | 220.9  | 223.8  | 215.1  | 212.1  | 215.1  | 212.1  | 206.3  | 206.3  | 206.3  | 197.4  | 203.2  |
| 60°   | 120.8  | 117.9  | 115.0  | 111.9  | 109.0  | 111.9  | 111.9  | 106.1  | 106.1  | 106.1  | 109.0  |
| 62.5° | 64.8   | 64.8   | 61.8   | 61.8   | 58.9   | 58.9   | 64.8   | 56.0   | 58.9   | 56.0   | 58.9   |
| 65°   | 35.4   | 44.1   | 32.4   | 32.4   | 41.2   | 38.3   | 35.4   | 35.4   | 38.3   | 32.4   | 35.4   |
| 67.5° | 38.3   | 26.6   | 23.5   | 26.6   | 23.5   | 23.5   | 23.5   | 29.5   | 26.6   | 20.6   | 26.6   |
| 70°   | 17.7   | 20.6   | 20.6   | 14.7   | 23.5   | 11.8   | 20.6   | 11.8   | 17.7   | 14.7   | 17.7   |
| 72.5° | 17.7   | 17.7   | 17.7   | 11.8   | 17.7   | 11.8   | 14.7   | 14.7   | 11.8   | 11.8   | 17.7   |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 5.9    | 5.9    | 2.9    | 2.9    | 2.9    | 2.9    | 5.9    | 5.9    | 5.9    | 0.0    | 2.9    |
| 80°   | 5.9    | 5.9    | 0.0    | 2.9    | 0.0    | 0.0    | 2.9    | 0.0    | 2.9    | 0.0    | 5.9    |
| 82.5° | 2.9    | 5.9    | 2.9    | 2.9    | 5.9    | 5.9    | 5.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 85°   | 0.0    | 2.9    | 0.0    | 0.0    | 0.0    | 0.0    | 5.9    | 0.0    | 0.0    | 0.0    | 2.9    |
| 87.5° | 0.0    | 2.9    | 0.0    | 0.0    | 0.0    | 0.0    | 2.9    | 2.9    | 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: P250213

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0WH

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 6304.5 | 6304.5 | 6304.5 | 6304.5 |
| 2.5°  | 6472.4 | 6475.3 | 6481.3 | 6478.4 |
| 5°    | 6814.1 | 6837.8 | 6849.5 | 6846.6 |
| 7.5°  | 7135.2 | 7176.6 | 7200.1 | 7200.1 |
| 10°   | 7382.7 | 7429.9 | 7465.2 | 7471.1 |
| 12.5° | 7515.3 | 7568.4 | 7615.5 | 7603.6 |
| 15°   | 7553.6 | 7606.7 | 7653.7 | 7644.9 |
| 17.5° | 7509.4 | 7562.4 | 7597.8 | 7591.9 |
| 20°   | 7388.7 | 7432.8 | 7468.2 | 7465.2 |
| 22.5° | 7200.1 | 7238.4 | 7267.9 | 7264.8 |
| 25°   | 6881.9 | 6908.5 | 6932.0 | 6920.2 |
| 27.5° | 6392.9 | 6401.7 | 6416.4 | 6398.8 |
| 30°   | 5741.8 | 5747.6 | 5753.6 | 5750.7 |
| 32.5° | 5011.2 | 5008.2 | 5002.4 | 4996.4 |
| 35°   | 4271.8 | 4271.8 | 4274.7 | 4257.0 |
| 37.5° | 3600.0 | 3597.1 | 3605.9 | 3597.1 |
| 40°   | 2957.8 | 2954.9 | 2966.6 | 2952.0 |
| 42.5° | 2306.7 | 2315.6 | 2318.5 | 2318.5 |
| 45°   | 1735.2 | 1738.2 | 1741.1 | 1741.1 |
| 47.5° | 1266.8 | 1269.7 | 1284.5 | 1266.8 |
| 50°   | 895.6  | 898.5  | 901.5  | 895.6  |
| 52.5° | 592.1  | 595.1  | 592.1  | 583.3  |
| 55°   | 362.3  | 365.4  | 365.4  | 365.4  |
| 57.5° | 194.4  | 197.4  | 197.4  | 194.4  |
| 60°   | 106.1  | 103.1  | 106.1  | 100.2  |
| 62.5° | 56.0   | 61.8   | 58.9   | 53.0   |
| 65°   | 35.4   | 35.4   | 35.4   | 41.2   |
| 67.5° | 29.5   | 23.5   | 26.6   | 20.6   |
| 70°   | 17.7   | 20.6   | 20.6   | 14.7   |
| 72.5° | 14.7   | 14.7   | 14.7   | 17.7   |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 5.9    | 5.9    | 5.9    | 2.9    |
| 80°   | 2.9    | 0.0    | 2.9    | 0.0    |
| 82.5° | 2.9    | 2.9    | 5.9    | 2.9    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)