

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: P248540

Luminaire Tested: **LD8B175D010 ER8B1759730 8LBDW0WH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248540  
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: LD8B175D010 ER8B1759730 8LBDW0WH  
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 3000 CCT WITH WHEAT TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13801.0 lumens  
Efficiency: N/A  
Efficacy: 77.9 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

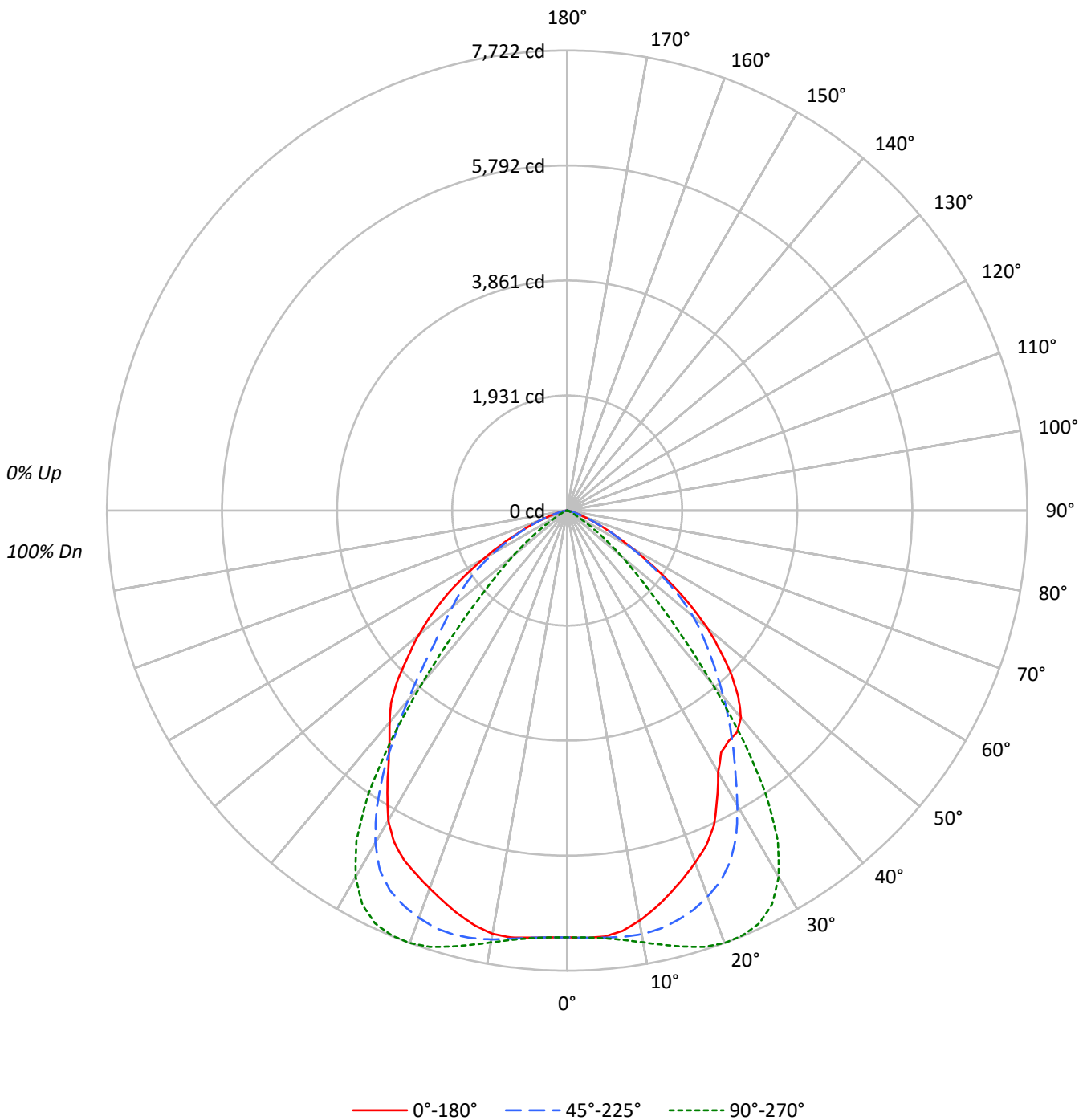
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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° |  |     |      |



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 688.5   | 5.0       |
| 10°-20°   | 2039.7  | 14.8      |
| 20°-30°   | 3111.7  | 22.5      |
| 30°-40°   | 3247.1  | 23.5      |
| 40°-50°   | 2439.0  | 17.7      |
| 50°-60°   | 1500.7  | 10.9      |
| 60°-70°   | 610.7   | 4.4       |
| 70°-80°   | 143.9   | 1.0       |
| 80°-90°   | 19.8    | 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°    | 5839.8  | 42.3      |
| 0°-40°    | 9086.9  | 65.8      |
| 0°-60°    | 13026.6 | 94.4      |
| 0°-90°    | 13801.0 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 13801.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 7160 | 7160 | 7160 | 7160 | 7160 |      |
| 5°  | 7175 | 7194 | 7201 | 7194 | 7194 | 679  |
| 15° | 6654 | 7122 | 7574 | 7365 | 7019 | 1874 |
| 25° | 5829 | 6483 | 7638 | 7034 | 6476 | 2650 |
| 35° | 4724 | 4857 | 5818 | 5377 | 5225 | 2983 |
| 45° | 3899 | 3375 | 2105 | 3143 | 4021 | 2975 |
| 55° | 2105 | 1999 | 551  | 1999 | 2466 | 1892 |
| 65° | 657  | 665  | 84   | 893  | 946  | 686  |
| 75° | 114  | 114  | 15   | 201  | 209  | 137  |
| 85° | 11   | 11   | 4    | 27   | 34   | 16   |
| 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°    | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 |
| 2.5°  | 7178.5 | 7167.1 | 7178.5 | 7178.5 | 7182.3 | 7174.7 | 7178.5 | 7182.3 | 7174.7 | 7174.7 | 7174.7 |
| 5°    | 7174.7 | 7167.1 | 7174.7 | 7170.9 | 7178.5 | 7178.5 | 7186.2 | 7186.2 | 7193.7 | 7193.7 | 7205.1 |
| 7.5°  | 7113.9 | 7098.8 | 7113.9 | 7125.3 | 7132.9 | 7148.1 | 7167.1 | 7182.3 | 7197.5 | 7212.7 | 7231.7 |
| 10°   | 6988.5 | 6988.5 | 6999.9 | 7022.7 | 7045.5 | 7072.1 | 7106.3 | 7144.3 | 7182.3 | 7216.5 | 7250.7 |
| 12.5° | 6832.7 | 6821.3 | 6844.1 | 6874.5 | 6908.7 | 6950.5 | 7003.7 | 7060.7 | 7121.5 | 7189.9 | 7243.2 |
| 15°   | 6654.1 | 6642.7 | 6669.3 | 6699.7 | 6741.5 | 6802.3 | 6866.9 | 6942.9 | 7030.3 | 7121.5 | 7208.9 |
| 17.5° | 6471.7 | 6467.9 | 6494.5 | 6536.3 | 6570.5 | 6635.0 | 6718.7 | 6809.9 | 6908.7 | 7030.3 | 7144.3 |
| 20°   | 6285.5 | 6281.7 | 6308.3 | 6342.5 | 6388.1 | 6448.9 | 6532.5 | 6638.9 | 6756.7 | 6893.5 | 7026.5 |
| 22.5° | 6091.6 | 6095.5 | 6118.2 | 6156.3 | 6194.3 | 6258.8 | 6346.2 | 6452.7 | 6581.9 | 6730.1 | 6878.3 |
| 25°   | 5829.4 | 5810.5 | 5840.9 | 5878.9 | 5943.4 | 5996.6 | 6080.3 | 6194.3 | 6327.3 | 6483.1 | 6657.9 |
| 27.5° | 5449.4 | 5445.6 | 5472.3 | 5506.4 | 5563.4 | 5628.0 | 5719.2 | 5837.1 | 5977.6 | 6148.6 | 6319.6 |
| 30°   | 5069.4 | 5077.0 | 5088.4 | 5122.7 | 5160.6 | 5225.2 | 5316.4 | 5415.3 | 5548.2 | 5711.6 | 5894.1 |
| 32.5° | 4811.0 | 4811.0 | 4826.2 | 4849.0 | 4875.6 | 4909.8 | 4974.4 | 5046.6 | 5149.3 | 5263.3 | 5396.2 |
| 35°   | 4723.6 | 4708.4 | 4723.6 | 4727.4 | 4731.2 | 4738.8 | 4750.2 | 4773.0 | 4807.2 | 4856.6 | 4906.0 |
| 37.5° | 4685.6 | 4674.2 | 4674.2 | 4659.0 | 4640.0 | 4617.2 | 4586.8 | 4552.6 | 4514.6 | 4465.2 | 4427.2 |
| 40°   | 4537.4 | 4529.8 | 4522.2 | 4507.0 | 4465.2 | 4419.6 | 4370.1 | 4290.4 | 4203.0 | 4081.3 | 3959.8 |
| 42.5° | 4252.4 | 4244.8 | 4241.0 | 4210.6 | 4172.6 | 4119.4 | 4062.4 | 3978.8 | 3868.6 | 3712.7 | 3537.9 |
| 45°   | 3899.0 | 3883.7 | 3872.4 | 3845.8 | 3819.1 | 3773.6 | 3720.4 | 3644.3 | 3534.1 | 3374.6 | 3165.5 |
| 47.5° | 3488.6 | 3480.9 | 3477.1 | 3465.8 | 3439.2 | 3412.5 | 3378.4 | 3317.6 | 3218.7 | 3066.7 | 2850.1 |
| 50°   | 3074.3 | 3059.2 | 3066.7 | 3063.0 | 3051.5 | 3032.6 | 3009.7 | 2967.9 | 2891.9 | 2755.1 | 2557.5 |
| 52.5° | 2599.3 | 2599.3 | 2595.5 | 2606.9 | 2610.7 | 2606.9 | 2610.7 | 2565.1 | 2500.5 | 2397.9 | 2230.7 |
| 55°   | 2105.2 | 2105.2 | 2116.7 | 2131.9 | 2147.1 | 2150.9 | 2147.1 | 2128.1 | 2082.5 | 1998.9 | 1850.7 |
| 57.5° | 1641.6 | 1634.1 | 1656.9 | 1679.7 | 1694.9 | 1710.1 | 1698.6 | 1683.5 | 1656.9 | 1588.4 | 1474.4 |
| 60°   | 1250.3 | 1250.3 | 1265.4 | 1280.7 | 1295.8 | 1311.1 | 1307.3 | 1303.4 | 1280.7 | 1235.0 | 1143.9 |
| 62.5° | 919.6  | 923.4  | 923.4  | 934.9  | 950.0  | 965.3  | 976.6  | 965.3  | 953.8  | 923.4  | 862.6  |
| 65°   | 657.4  | 653.6  | 657.4  | 668.8  | 680.3  | 695.4  | 703.0  | 699.2  | 687.8  | 665.0  | 619.5  |
| 67.5° | 440.8  | 437.0  | 452.2  | 456.0  | 463.6  | 478.9  | 475.1  | 478.9  | 475.1  | 456.0  | 418.1  |
| 70°   | 288.8  | 281.2  | 288.8  | 285.0  | 296.4  | 300.2  | 307.8  | 311.6  | 307.8  | 296.4  | 285.0  |
| 72.5° | 178.6  | 174.8  | 178.6  | 182.4  | 186.2  | 190.0  | 197.6  | 197.6  | 193.8  | 186.2  | 171.0  |
| 75°   | 114.0  | 102.6  | 106.4  | 98.8   | 106.4  | 106.4  | 114.0  | 117.8  | 114.0  | 114.0  | 106.4  |
| 77.5° | 68.4   | 68.4   | 68.4   | 68.4   | 68.4   | 68.4   | 68.4   | 72.2   | 76.0   | 68.4   | 64.6   |
| 80°   | 34.2   | 34.2   | 38.0   | 38.0   | 38.0   | 41.8   | 38.0   | 38.0   | 38.0   | 41.8   | 30.4   |
| 82.5° | 26.6   | 22.8   | 22.8   | 22.8   | 26.6   | 22.8   | 22.8   | 22.8   | 22.8   | 22.8   | 22.8   |
| 85°   | 11.4   | 15.2   | 11.4   | 7.6    | 11.4   | 11.4   | 15.2   | 11.4   | 11.4   | 11.4   | 15.2   |
| 87.5° | 3.8    | 3.8    | 0.0    | 0.0    | 0.0    | 3.8    | 0.0    | 3.8    | 3.8    | 7.6    | 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°    | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 |
| 2.5°  | 7178.5 | 7170.9 | 7170.9 | 7167.1 | 7174.7 | 7167.1 | 7170.9 | 7167.1 | 7167.1 | 7174.7 | 7167.1 |
| 5°    | 7205.1 | 7208.9 | 7201.3 | 7197.5 | 7208.9 | 7208.9 | 7208.9 | 7201.3 | 7201.3 | 7205.1 | 7201.3 |
| 7.5°  | 7243.2 | 7250.7 | 7254.5 | 7258.3 | 7265.9 | 7269.7 | 7269.7 | 7265.9 | 7262.1 | 7273.6 | 7258.3 |
| 10°   | 7284.9 | 7296.3 | 7319.1 | 7330.6 | 7349.5 | 7349.5 | 7357.2 | 7357.2 | 7349.5 | 7357.2 | 7353.3 |
| 12.5° | 7269.7 | 7338.1 | 7376.1 | 7402.7 | 7429.3 | 7452.1 | 7459.7 | 7463.5 | 7459.7 | 7475.0 | 7459.7 |
| 15°   | 7296.3 | 7353.3 | 7414.2 | 7459.7 | 7509.1 | 7535.7 | 7543.3 | 7573.7 | 7581.3 | 7585.1 | 7562.4 |
| 17.5° | 7254.5 | 7357.2 | 7421.7 | 7490.1 | 7562.4 | 7611.7 | 7657.3 | 7676.4 | 7680.2 | 7687.7 | 7657.3 |
| 20°   | 7159.5 | 7273.6 | 7372.3 | 7471.2 | 7554.7 | 7630.7 | 7668.7 | 7721.9 | 7706.8 | 7737.2 | 7695.3 |
| 22.5° | 7030.3 | 7159.5 | 7284.9 | 7414.2 | 7501.6 | 7592.8 | 7672.6 | 7710.5 | 7729.6 | 7729.6 | 7683.9 |
| 25°   | 6825.1 | 6977.1 | 7113.9 | 7246.9 | 7379.9 | 7490.1 | 7581.3 | 7638.3 | 7649.8 | 7646.0 | 7592.8 |
| 27.5° | 6505.9 | 6669.3 | 6828.9 | 6980.9 | 7144.3 | 7273.6 | 7379.9 | 7448.3 | 7467.3 | 7467.3 | 7410.3 |
| 30°   | 6065.1 | 6239.9 | 6395.7 | 6578.0 | 6745.3 | 6889.7 | 7037.9 | 7098.8 | 7132.9 | 7132.9 | 7068.3 |
| 32.5° | 5540.6 | 5688.8 | 5833.2 | 6011.9 | 6194.3 | 6357.7 | 6498.3 | 6581.9 | 6623.7 | 6619.9 | 6562.9 |
| 35°   | 4970.6 | 5042.8 | 5153.1 | 5286.0 | 5449.4 | 5601.4 | 5738.2 | 5818.1 | 5890.2 | 5886.4 | 5833.2 |
| 37.5° | 4400.6 | 4381.6 | 4393.0 | 4442.4 | 4545.0 | 4651.4 | 4757.8 | 4833.9 | 4894.6 | 4921.3 | 4909.8 |
| 40°   | 3842.0 | 3743.2 | 3648.1 | 3614.0 | 3621.5 | 3659.6 | 3716.6 | 3773.6 | 3842.0 | 3876.2 | 3891.4 |
| 42.5° | 3340.3 | 3173.2 | 3005.9 | 2880.5 | 2808.3 | 2785.5 | 2812.1 | 2831.1 | 2872.9 | 2922.3 | 2971.8 |
| 45°   | 2937.5 | 2713.4 | 2492.9 | 2299.1 | 2177.5 | 2105.2 | 2090.1 | 2105.2 | 2128.1 | 2177.5 | 2242.1 |
| 47.5° | 2606.9 | 2344.7 | 2097.7 | 1881.1 | 1702.4 | 1607.5 | 1580.9 | 1573.3 | 1596.1 | 1641.6 | 1729.0 |
| 50°   | 2314.3 | 2052.1 | 1778.5 | 1527.6 | 1341.5 | 1235.0 | 1197.1 | 1181.8 | 1208.4 | 1242.6 | 1322.4 |
| 52.5° | 1995.1 | 1736.7 | 1455.5 | 1212.2 | 1018.5 | 908.3  | 866.4  | 843.6  | 858.8  | 904.5  | 984.2  |
| 55°   | 1649.3 | 1409.8 | 1155.2 | 904.5  | 718.2  | 615.6  | 566.2  | 551.0  | 566.2  | 615.6  | 695.4  |
| 57.5° | 1303.4 | 1102.0 | 889.2  | 653.6  | 486.4  | 383.8  | 334.4  | 319.2  | 361.1  | 380.0  | 463.6  |
| 60°   | 1018.5 | 855.1  | 672.6  | 478.9  | 334.4  | 254.6  | 205.2  | 193.8  | 212.8  | 247.0  | 315.4  |
| 62.5° | 763.9  | 661.2  | 516.8  | 342.0  | 247.0  | 163.4  | 136.8  | 125.4  | 136.8  | 163.4  | 216.7  |
| 65°   | 554.8  | 475.1  | 361.1  | 250.8  | 167.2  | 121.6  | 91.2   | 83.6   | 95.0   | 114.0  | 159.7  |
| 67.5° | 380.0  | 319.2  | 250.8  | 174.8  | 114.0  | 76.0   | 64.6   | 64.6   | 68.4   | 83.6   | 117.8  |
| 70°   | 247.0  | 209.0  | 159.7  | 114.0  | 76.0   | 57.0   | 49.4   | 41.8   | 49.4   | 60.8   | 79.8   |
| 72.5° | 155.8  | 133.0  | 102.6  | 79.8   | 57.0   | 41.8   | 34.2   | 30.4   | 38.0   | 45.6   | 60.8   |
| 75°   | 95.0   | 72.2   | 53.2   | 41.8   | 30.4   | 30.4   | 30.4   | 15.2   | 19.0   | 30.4   | 38.0   |
| 77.5° | 57.0   | 49.4   | 41.8   | 34.2   | 26.6   | 15.2   | 15.2   | 15.2   | 19.0   | 22.8   | 34.2   |
| 80°   | 30.4   | 26.6   | 19.0   | 19.0   | 15.2   | 11.4   | 15.2   | 11.4   | 7.6    | 19.0   | 22.8   |
| 82.5° | 19.0   | 15.2   | 15.2   | 15.2   | 19.0   | 7.6    | 11.4   | 7.6    | 11.4   | 15.2   | 11.4   |
| 85°   | 11.4   | 11.4   | 11.4   | 7.6    | 19.0   | 7.6    | 7.6    | 3.8    | 3.8    | 7.6    | 7.6    |
| 87.5° | 0.0    | 3.8    | 3.8    | 0.0    | 3.8    | 0.0    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    |
| 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: LD8B175D010 ER8B1759730 8LBDW0WH

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 | 7159.5 |
| 2.5°  | 7170.9 | 7167.1 | 7170.9 | 7167.1 | 7167.1 | 7167.1 | 7170.9 | 7170.9 | 7167.1 | 7167.1 | 7174.7 |
| 5°    | 7201.3 | 7201.3 | 7201.3 | 7197.5 | 7193.7 | 7193.7 | 7201.3 | 7201.3 | 7189.9 | 7201.3 | 7201.3 |
| 7.5°  | 7265.9 | 7254.5 | 7265.9 | 7250.7 | 7243.2 | 7246.9 | 7250.7 | 7243.2 | 7235.5 | 7239.3 | 7239.3 |
| 10°   | 7349.5 | 7338.1 | 7338.1 | 7326.7 | 7315.3 | 7307.7 | 7300.2 | 7281.1 | 7262.1 | 7258.3 | 7243.2 |
| 12.5° | 7448.3 | 7429.3 | 7418.0 | 7395.1 | 7376.1 | 7349.5 | 7326.7 | 7296.3 | 7258.3 | 7231.7 | 7205.1 |
| 15°   | 7547.1 | 7516.7 | 7490.1 | 7452.1 | 7410.3 | 7364.7 | 7315.3 | 7265.9 | 7205.1 | 7151.9 | 7106.3 |
| 17.5° | 7626.9 | 7585.1 | 7535.7 | 7475.0 | 7414.2 | 7345.7 | 7273.6 | 7201.3 | 7113.9 | 7045.5 | 6992.3 |
| 20°   | 7653.5 | 7592.8 | 7528.2 | 7448.3 | 7368.5 | 7273.6 | 7182.3 | 7087.3 | 6988.5 | 6916.3 | 6855.5 |
| 22.5° | 7619.4 | 7547.1 | 7467.3 | 7383.7 | 7277.3 | 7174.7 | 7068.3 | 6958.1 | 6870.7 | 6771.9 | 6714.9 |
| 25°   | 7524.3 | 7436.9 | 7349.5 | 7250.7 | 7148.1 | 7034.1 | 6920.1 | 6806.1 | 6699.7 | 6646.5 | 6574.3 |
| 27.5° | 7330.6 | 7235.5 | 7140.5 | 7037.9 | 6920.1 | 6806.1 | 6688.3 | 6578.0 | 6486.9 | 6414.7 | 6372.9 |
| 30°   | 6988.5 | 6878.3 | 6768.1 | 6657.9 | 6555.3 | 6437.5 | 6327.3 | 6236.1 | 6144.8 | 6087.8 | 6046.1 |
| 32.5° | 6464.0 | 6365.3 | 6255.1 | 6148.6 | 6053.7 | 5954.9 | 5863.6 | 5783.9 | 5719.2 | 5681.2 | 5650.8 |
| 35°   | 5757.3 | 5658.4 | 5574.8 | 5498.9 | 5419.0 | 5377.3 | 5320.3 | 5274.6 | 5248.0 | 5232.8 | 5229.0 |
| 37.5° | 4868.0 | 4811.0 | 4784.4 | 4769.2 | 4754.0 | 4742.6 | 4750.2 | 4769.2 | 4784.4 | 4811.0 | 4841.4 |
| 40°   | 3918.0 | 3967.3 | 3982.6 | 4035.8 | 4085.2 | 4149.8 | 4222.0 | 4305.6 | 4374.0 | 4461.4 | 4522.2 |
| 42.5° | 3051.5 | 3142.8 | 3249.1 | 3363.1 | 3484.8 | 3602.6 | 3747.0 | 3879.9 | 4001.6 | 4111.7 | 4206.8 |
| 45°   | 2344.7 | 2485.3 | 2644.9 | 2808.3 | 2971.8 | 3142.8 | 3317.6 | 3480.9 | 3625.3 | 3743.2 | 3842.0 |
| 47.5° | 1827.9 | 1983.7 | 2188.9 | 2390.3 | 2587.9 | 2789.3 | 2983.1 | 3154.1 | 3275.7 | 3389.7 | 3477.1 |
| 50°   | 1447.9 | 1626.5 | 1850.7 | 2082.5 | 2299.1 | 2511.9 | 2717.1 | 2876.7 | 2998.4 | 3089.6 | 3154.1 |
| 52.5° | 1121.0 | 1333.9 | 1561.8 | 1805.1 | 2036.9 | 2268.7 | 2458.7 | 2606.9 | 2705.7 | 2785.5 | 2834.9 |
| 55°   | 836.0  | 1045.0 | 1288.3 | 1539.1 | 1774.7 | 1998.9 | 2177.5 | 2306.7 | 2394.1 | 2439.7 | 2466.3 |
| 57.5° | 604.2  | 794.3  | 1037.4 | 1288.3 | 1501.0 | 1713.9 | 1858.3 | 1976.1 | 2025.5 | 2052.1 | 2063.5 |
| 60°   | 440.8  | 615.6  | 832.2  | 1048.9 | 1250.3 | 1421.3 | 1546.7 | 1626.5 | 1664.5 | 1679.7 | 1675.8 |
| 62.5° | 323.0  | 475.1  | 661.2  | 843.6  | 1007.0 | 1147.6 | 1246.4 | 1299.6 | 1318.7 | 1326.2 | 1314.9 |
| 65°   | 247.0  | 364.8  | 524.4  | 665.0  | 790.5  | 893.0  | 965.3  | 999.5  | 1010.8 | 1007.0 | 999.5  |
| 67.5° | 182.4  | 273.6  | 391.5  | 497.8  | 589.1  | 668.8  | 706.9  | 737.3  | 744.8  | 733.5  | 722.0  |
| 70°   | 129.2  | 201.4  | 285.0  | 357.2  | 425.6  | 471.2  | 513.0  | 516.8  | 516.8  | 513.0  | 505.5  |
| 72.5° | 91.2   | 140.6  | 193.8  | 243.2  | 285.0  | 319.2  | 334.4  | 345.8  | 342.0  | 338.2  | 330.6  |
| 75°   | 60.8   | 87.4   | 140.6  | 152.0  | 190.0  | 201.4  | 216.7  | 216.7  | 220.4  | 209.0  | 209.0  |
| 77.5° | 38.0   | 60.8   | 83.6   | 98.8   | 114.0  | 129.2  | 136.8  | 136.8  | 140.6  | 136.8  | 136.8  |
| 80°   | 22.8   | 38.0   | 45.6   | 68.4   | 68.4   | 79.8   | 83.6   | 87.4   | 79.8   | 91.2   | 79.8   |
| 82.5° | 15.2   | 22.8   | 34.2   | 34.2   | 41.8   | 49.4   | 49.4   | 53.2   | 53.2   | 49.4   | 49.4   |
| 85°   | 11.4   | 15.2   | 19.0   | 22.8   | 22.8   | 26.6   | 22.8   | 22.8   | 26.6   | 30.4   | 26.6   |
| 87.5° | 3.8    | 7.6    | 3.8    | 7.6    | 7.6    | 15.2   | 11.4   | 11.4   | 11.4   | 15.2   | 15.2   |
| 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: P248540

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBDW0WH

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 7159.5 | 7159.5 | 7159.5 | 7159.5 |
| 2.5°  | 7167.1 | 7170.9 | 7167.1 | 7167.1 |
| 5°    | 7201.3 | 7197.5 | 7201.3 | 7193.7 |
| 7.5°  | 7227.9 | 7227.9 | 7224.1 | 7224.1 |
| 10°   | 7227.9 | 7212.7 | 7212.7 | 7212.7 |
| 12.5° | 7170.9 | 7151.9 | 7140.5 | 7132.9 |
| 15°   | 7072.1 | 7037.9 | 7022.7 | 7018.9 |
| 17.5° | 6942.9 | 6912.5 | 6893.5 | 6882.1 |
| 20°   | 6794.7 | 6764.3 | 6741.5 | 6745.3 |
| 22.5° | 6665.5 | 6631.3 | 6616.1 | 6608.5 |
| 25°   | 6536.3 | 6494.5 | 6483.1 | 6475.5 |
| 27.5° | 6327.3 | 6304.5 | 6293.0 | 6281.7 |
| 30°   | 6008.1 | 5996.6 | 5977.6 | 6004.2 |
| 32.5° | 5639.5 | 5620.4 | 5605.2 | 5616.7 |
| 35°   | 5232.8 | 5221.4 | 5232.8 | 5225.2 |
| 37.5° | 4860.4 | 4871.8 | 4887.0 | 4894.6 |
| 40°   | 4567.8 | 4609.6 | 4624.8 | 4632.4 |
| 42.5° | 4275.2 | 4324.6 | 4355.0 | 4374.0 |
| 45°   | 3914.2 | 3963.5 | 3997.7 | 4020.6 |
| 47.5° | 3541.8 | 3583.6 | 3617.7 | 3614.0 |
| 50°   | 3203.6 | 3226.4 | 3241.5 | 3256.8 |
| 52.5° | 2861.5 | 2861.5 | 2865.3 | 2865.3 |
| 55°   | 2473.9 | 2466.3 | 2462.5 | 2466.3 |
| 57.5° | 2048.2 | 2040.7 | 2036.9 | 2025.5 |
| 60°   | 1660.7 | 1637.9 | 1622.7 | 1622.7 |
| 62.5° | 1299.6 | 1273.0 | 1261.7 | 1257.9 |
| 65°   | 976.6  | 972.8  | 950.0  | 946.2  |
| 67.5° | 706.9  | 691.6  | 676.5  | 680.3  |
| 70°   | 497.8  | 475.1  | 475.1  | 467.4  |
| 72.5° | 323.0  | 311.6  | 307.8  | 307.8  |
| 75°   | 201.4  | 201.4  | 193.8  | 209.0  |
| 77.5° | 133.0  | 133.0  | 129.2  | 133.0  |
| 80°   | 79.8   | 79.8   | 79.8   | 76.0   |
| 82.5° | 49.4   | 53.2   | 49.4   | 49.4   |
| 85°   | 26.6   | 30.4   | 22.8   | 34.2   |
| 87.5° | 15.2   | 19.0   | 15.2   | 19.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)