

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: P250269

Luminaire Tested: **LSR8B100D010 EC8B100950 8LBSW0WH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250269  
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: LSR8B100D010 EC8B100950 8LBSW0WH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH WHEAT TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10224.0 lumens  
Efficiency: N/A  
Efficacy: 96.2 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

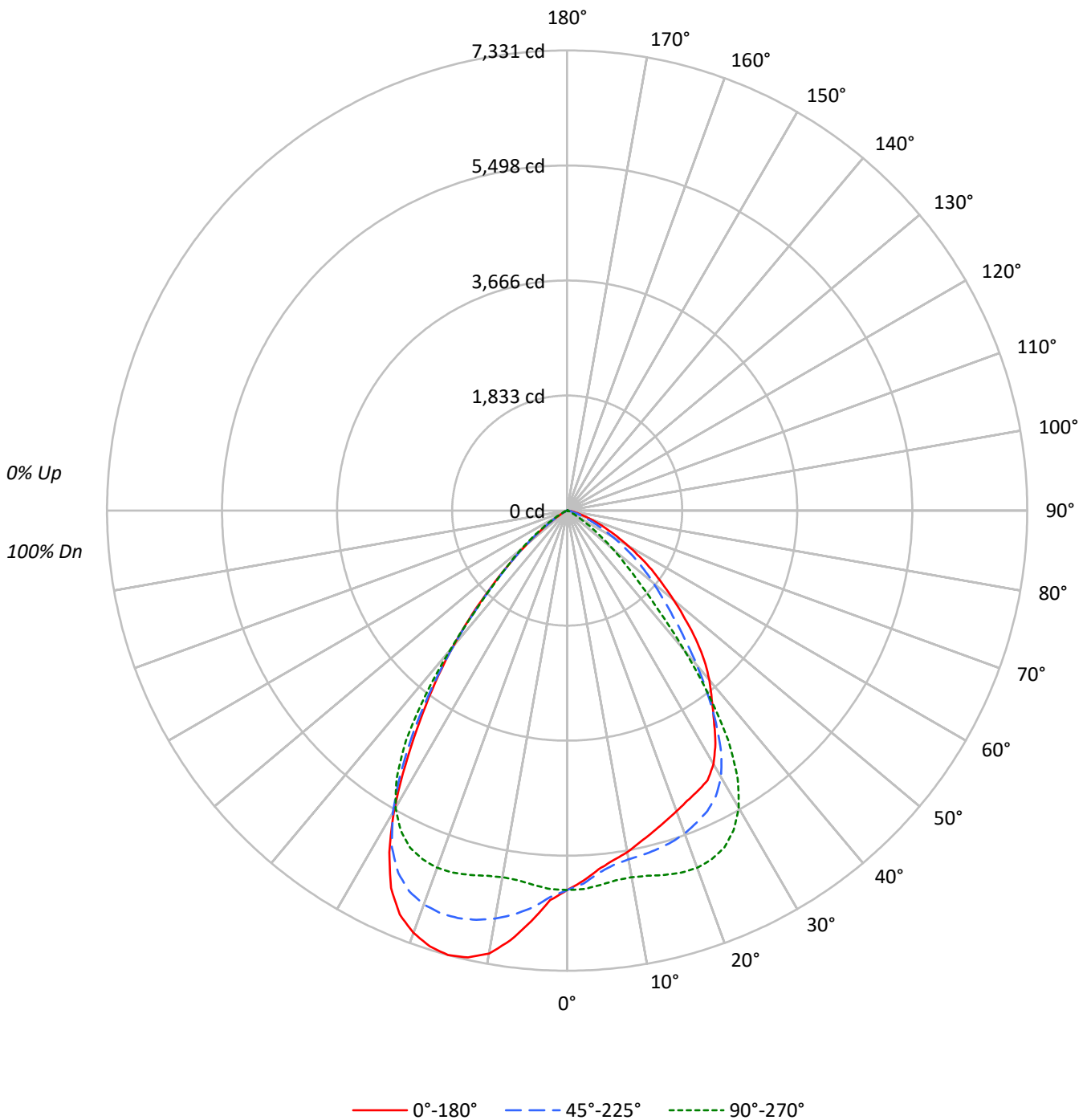
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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  | 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°  | 186421 | 186421 | 186421 |
| 5°  | 177602 | 185384 | 203226 |
| 10° | 173021 | 185671 | 224326 |
| 15° | 169099 | 191822 | 234029 |
| 20° | 167237 | 198756 | 234908 |
| 25° | 167630 | 201562 | 225781 |
| 30° | 166073 | 194641 | 196350 |
| 35° | 153457 | 168450 | 153667 |
| 40° | 141807 | 116789 | 113947 |
| 45° | 126275 | 70468  | 72805  |
| 50° | 106250 | 45401  | 41199  |
| 55° | 88395  | 24908  | 18833  |
| 60° | 68993  | 10799  | 5921   |
| 65° | 50915  | 5363   | 2882   |
| 70° | 35406  | 3309   | 1271   |
| 75° | 21541  | 679    | 0      |
| 80° | 15556  | 1012   | 0      |
| 85° | 10013  | 991    | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 581.2   | 5.7       |
| 10°-20°   | 1739.4  | 17.0      |
| 20°-30°   | 2663.7  | 26.1      |
| 30°-40°   | 2611.3  | 25.5      |
| 40°-50°   | 1572.5  | 15.4      |
| 50°-60°   | 723.8   | 7.1       |
| 60°-70°   | 254.3   | 2.5       |
| 70°-80°   | 66.5    | 0.7       |
| 80°-90°   | 11.3    | 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°    | 4984.3  | 48.8      |
| 0°-40°    | 7595.6  | 74.3      |
| 0°-60°    | 9891.9  | 96.8      |
| 0°-90°    | 10224.0 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 10224.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 6046 | 6046 | 6046 | 6046 | 6046 |      |
| 5°  | 5738 | 5791 | 5989 | 6348 | 6565 | 542  |
| 15° | 5297 | 5582 | 6009 | 6721 | 7331 | 1497 |
| 25° | 4927 | 5283 | 5924 | 6370 | 6636 | 2269 |
| 35° | 4076 | 4133 | 4475 | 4218 | 4082 | 2553 |
| 45° | 2896 | 2384 | 1616 | 1627 | 1670 | 2220 |
| 55° | 1644 | 1302 | 463  | 364  | 350  | 1467 |
| 65° | 698  | 483  | 74   | 37   | 40   | 711  |
| 75° | 181  | 104  | 6    | 0    | 0    | 219  |
| 85° | 28   | 14   | 3    | 0    | 0    | 39   |
| 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°    | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 |
| 2.5°  | 5904.2 | 5909.9 | 5909.9 | 5909.9 | 5921.2 | 5924.1 | 5921.2 | 5924.1 | 5929.7 | 5949.4 | 5957.9 |
| 5°    | 5737.6 | 5729.1 | 5734.8 | 5731.9 | 5746.1 | 5754.5 | 5748.8 | 5757.3 | 5777.1 | 5791.3 | 5805.4 |
| 7.5°  | 5619.0 | 5619.0 | 5619.0 | 5624.5 | 5633.0 | 5650.0 | 5647.2 | 5652.8 | 5672.6 | 5692.3 | 5712.1 |
| 10°   | 5525.7 | 5522.9 | 5522.9 | 5537.0 | 5548.3 | 5568.0 | 5573.7 | 5590.7 | 5616.1 | 5641.5 | 5664.1 |
| 12.5° | 5404.2 | 5407.1 | 5421.2 | 5435.4 | 5460.7 | 5491.8 | 5508.7 | 5531.4 | 5570.9 | 5613.3 | 5638.7 |
| 15°   | 5296.9 | 5299.7 | 5311.1 | 5339.2 | 5370.4 | 5407.1 | 5443.7 | 5480.5 | 5528.5 | 5582.2 | 5627.4 |
| 17.5° | 5192.3 | 5195.1 | 5203.6 | 5234.8 | 5274.3 | 5322.3 | 5364.7 | 5412.7 | 5474.9 | 5537.0 | 5593.5 |
| 20°   | 5096.3 | 5093.5 | 5107.6 | 5135.8 | 5186.8 | 5231.9 | 5274.3 | 5330.8 | 5398.6 | 5474.9 | 5539.8 |
| 22.5° | 5003.0 | 5003.0 | 5017.2 | 5045.5 | 5090.7 | 5135.8 | 5181.1 | 5240.4 | 5308.1 | 5381.6 | 5457.9 |
| 25°   | 4926.8 | 4924.0 | 4943.7 | 4957.9 | 4991.8 | 5037.0 | 5085.0 | 5133.0 | 5200.8 | 5282.8 | 5356.2 |
| 27.5° | 4844.9 | 4842.1 | 4844.9 | 4861.9 | 4892.9 | 4926.8 | 4963.5 | 5005.9 | 5062.4 | 5130.2 | 5200.8 |
| 30°   | 4664.1 | 4666.9 | 4666.9 | 4681.1 | 4698.0 | 4734.7 | 4754.4 | 4796.9 | 4847.7 | 4904.2 | 4966.4 |
| 32.5° | 4395.7 | 4398.5 | 4398.5 | 4404.2 | 4418.3 | 4435.2 | 4452.2 | 4483.3 | 4522.8 | 4570.8 | 4627.3 |
| 35°   | 4076.5 | 4076.5 | 4073.6 | 4076.5 | 4085.0 | 4085.0 | 4099.1 | 4085.0 | 4104.8 | 4133.0 | 4175.4 |
| 37.5° | 3782.7 | 3777.0 | 3771.4 | 3765.7 | 3757.2 | 3743.1 | 3723.4 | 3689.4 | 3680.9 | 3669.7 | 3672.4 |
| 40°   | 3522.8 | 3520.0 | 3503.0 | 3488.8 | 3460.6 | 3426.7 | 3378.7 | 3319.4 | 3271.4 | 3214.9 | 3166.9 |
| 42.5° | 3234.7 | 3231.7 | 3217.7 | 3192.2 | 3161.2 | 3110.4 | 3034.1 | 2955.0 | 2859.0 | 2774.2 | 2686.6 |
| 45°   | 2895.6 | 2904.1 | 2884.3 | 2856.1 | 2819.3 | 2771.3 | 2686.6 | 2590.5 | 2494.4 | 2384.3 | 2274.1 |
| 47.5° | 2542.4 | 2539.7 | 2525.6 | 2508.6 | 2477.6 | 2429.5 | 2373.0 | 2268.5 | 2166.7 | 2065.1 | 1952.1 |
| 50°   | 2214.8 | 2203.5 | 2197.8 | 2180.9 | 2161.2 | 2121.6 | 2062.2 | 1977.4 | 1887.1 | 1791.0 | 1686.5 |
| 52.5° | 1904.1 | 1904.1 | 1889.9 | 1878.6 | 1861.6 | 1830.6 | 1779.8 | 1712.0 | 1635.7 | 1545.2 | 1435.1 |
| 55°   | 1644.2 | 1638.5 | 1624.4 | 1610.2 | 1593.3 | 1573.5 | 1528.4 | 1471.9 | 1389.9 | 1302.3 | 1206.3 |
| 57.5° | 1367.3 | 1364.4 | 1358.8 | 1341.9 | 1333.4 | 1313.6 | 1262.8 | 1206.3 | 1135.7 | 1059.4 | 980.2  |
| 60°   | 1118.7 | 1107.4 | 1096.0 | 1084.8 | 1070.7 | 1050.9 | 1017.0 | 969.0  | 909.7  | 841.9  | 762.8  |
| 62.5° | 895.6  | 912.4  | 878.6  | 878.6  | 850.3  | 833.4  | 802.3  | 774.1  | 711.9  | 649.8  | 582.0  |
| 65°   | 697.8  | 697.8  | 683.6  | 672.3  | 655.3  | 635.6  | 604.5  | 576.3  | 531.0  | 483.0  | 435.0  |
| 67.5° | 534.0  | 531.0  | 517.0  | 505.7  | 491.5  | 480.2  | 457.7  | 423.7  | 389.9  | 350.3  | 310.7  |
| 70°   | 392.7  | 389.9  | 387.0  | 367.2  | 355.9  | 341.9  | 324.9  | 302.3  | 276.9  | 248.6  | 211.9  |
| 72.5° | 282.4  | 282.4  | 274.1  | 265.6  | 254.3  | 242.9  | 226.0  | 211.9  | 189.3  | 169.5  | 144.1  |
| 75°   | 180.8  | 178.0  | 178.0  | 163.8  | 163.8  | 146.9  | 135.6  | 127.1  | 115.8  | 104.5  | 82.0   |
| 77.5° | 130.0  | 127.1  | 124.3  | 118.6  | 113.0  | 107.3  | 98.8   | 87.6   | 79.1   | 67.8   | 59.3   |
| 80°   | 87.6   | 82.0   | 79.1   | 79.1   | 70.6   | 67.8   | 70.6   | 53.7   | 50.8   | 42.3   | 36.7   |
| 82.5° | 53.7   | 53.7   | 50.8   | 50.8   | 48.0   | 45.2   | 36.7   | 36.7   | 34.0   | 31.0   | 25.5   |
| 85°   | 28.3   | 36.7   | 25.5   | 28.3   | 25.5   | 28.3   | 25.5   | 19.8   | 17.0   | 14.1   | 14.1   |
| 87.5° | 17.0   | 11.3   | 11.3   | 17.0   | 14.1   | 11.3   | 11.3   | 11.3   | 8.5    | 5.7    | 5.7    |
| 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°    | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 |
| 2.5°  | 5952.3 | 5972.1 | 5969.2 | 5994.7 | 6003.1 | 6022.9 | 6022.9 | 6037.0 | 6045.5 | 6065.2 | 6082.2 |
| 5°    | 5811.1 | 5842.1 | 5850.6 | 5881.6 | 5907.1 | 5938.1 | 5957.9 | 5989.0 | 6017.2 | 6059.7 | 6099.2 |
| 7.5°  | 5723.5 | 5748.8 | 5765.8 | 5802.6 | 5830.8 | 5864.7 | 5898.6 | 5940.9 | 5980.5 | 6031.4 | 6087.9 |
| 10°   | 5681.1 | 5715.0 | 5740.4 | 5777.1 | 5811.1 | 5847.8 | 5881.6 | 5929.7 | 5974.9 | 6039.9 | 6102.0 |
| 12.5° | 5669.8 | 5709.3 | 5740.4 | 5791.3 | 5825.1 | 5864.7 | 5904.2 | 5957.9 | 6005.9 | 6073.7 | 6144.4 |
| 15°   | 5669.8 | 5723.5 | 5765.8 | 5822.3 | 5861.9 | 5912.7 | 5955.1 | 6008.7 | 6062.4 | 6133.0 | 6200.8 |
| 17.5° | 5658.5 | 5723.5 | 5777.1 | 5842.1 | 5892.9 | 5943.8 | 5997.4 | 6048.4 | 6104.8 | 6172.7 | 6248.8 |
| 20°   | 5613.3 | 5695.2 | 5760.1 | 5836.4 | 5890.1 | 5946.6 | 6000.4 | 6056.8 | 6116.2 | 6186.8 | 6251.8 |
| 22.5° | 5534.2 | 5630.2 | 5703.7 | 5785.6 | 5847.8 | 5904.2 | 5957.9 | 6014.4 | 6079.4 | 6147.2 | 6215.0 |
| 25°   | 5429.7 | 5520.0 | 5599.2 | 5683.8 | 5746.1 | 5808.1 | 5859.1 | 5924.1 | 5983.4 | 6048.4 | 6102.0 |
| 27.5° | 5271.4 | 5367.4 | 5443.7 | 5531.4 | 5587.8 | 5647.2 | 5689.5 | 5743.3 | 5799.8 | 5853.4 | 5895.8 |
| 30°   | 5034.2 | 5121.8 | 5200.8 | 5279.9 | 5336.4 | 5378.8 | 5424.0 | 5466.4 | 5503.1 | 5539.8 | 5576.5 |
| 32.5° | 4686.6 | 4765.8 | 4842.1 | 4915.5 | 4960.7 | 4997.4 | 5031.3 | 5056.8 | 5076.5 | 5096.3 | 5099.1 |
| 35°   | 4209.3 | 4274.2 | 4322.2 | 4387.2 | 4429.7 | 4463.5 | 4463.5 | 4474.8 | 4472.0 | 4463.5 | 4455.0 |
| 37.5° | 3675.4 | 3700.7 | 3720.5 | 3745.9 | 3748.7 | 3748.7 | 3731.9 | 3717.7 | 3695.1 | 3689.4 | 3672.4 |
| 40°   | 3118.8 | 3084.9 | 3059.4 | 3025.6 | 3005.8 | 2963.4 | 2926.7 | 2901.3 | 2864.5 | 2859.0 | 2853.3 |
| 42.5° | 2590.5 | 2511.4 | 2440.8 | 2381.5 | 2313.7 | 2254.3 | 2200.7 | 2161.2 | 2132.9 | 2130.0 | 2132.9 |
| 45°   | 2161.2 | 2070.7 | 1966.2 | 1884.3 | 1808.0 | 1734.5 | 1664.0 | 1615.9 | 1590.5 | 1584.8 | 1590.5 |
| 47.5° | 1836.3 | 1731.7 | 1630.0 | 1536.7 | 1454.9 | 1372.9 | 1302.3 | 1237.3 | 1206.3 | 1197.8 | 1195.0 |
| 50°   | 1579.2 | 1471.9 | 1364.4 | 1268.4 | 1178.0 | 1096.0 | 1008.5 | 946.4  | 906.9  | 892.7  | 881.4  |
| 52.5° | 1327.8 | 1231.7 | 1121.5 | 1022.7 | 932.2  | 836.2  | 745.8  | 675.1  | 635.6  | 618.7  | 607.3  |
| 55°   | 1107.4 | 1011.4 | 909.7  | 813.6  | 717.6  | 621.5  | 531.0  | 463.3  | 420.9  | 401.2  | 387.0  |
| 57.5° | 884.2  | 793.8  | 706.3  | 610.2  | 531.0  | 437.9  | 347.4  | 288.1  | 251.4  | 228.8  | 217.6  |
| 60°   | 683.6  | 613.0  | 536.7  | 457.7  | 381.4  | 305.1  | 231.6  | 175.1  | 146.9  | 130.0  | 115.8  |
| 62.5° | 517.0  | 457.7  | 406.7  | 339.0  | 279.7  | 214.7  | 158.3  | 113.0  | 87.6   | 73.5   | 67.8   |
| 65°   | 372.9  | 327.7  | 282.4  | 240.1  | 197.8  | 149.8  | 107.3  | 73.5   | 50.8   | 42.3   | 39.5   |
| 67.5° | 265.6  | 228.8  | 194.9  | 166.6  | 135.6  | 107.3  | 76.3   | 50.8   | 39.5   | 34.0   | 31.0   |
| 70°   | 186.4  | 158.3  | 135.6  | 110.2  | 90.3   | 70.6   | 59.3   | 36.7   | 22.6   | 25.5   | 19.8   |
| 72.5° | 124.3  | 104.5  | 93.3   | 76.3   | 62.1   | 50.8   | 36.7   | 25.5   | 25.5   | 19.8   | 17.0   |
| 75°   | 67.8   | 62.1   | 48.0   | 36.7   | 31.0   | 28.3   | 11.3   | 5.7    | 2.8    | 8.5    | 2.8    |
| 77.5° | 48.0   | 42.3   | 36.7   | 31.0   | 25.5   | 19.8   | 11.3   | 11.3   | 8.5    | 11.3   | 5.7    |
| 80°   | 31.0   | 25.5   | 22.6   | 22.6   | 14.1   | 8.5    | 5.7    | 5.7    | 8.5    | 2.8    | 2.8    |
| 82.5° | 19.8   | 17.0   | 14.1   | 14.1   | 14.1   | 8.5    | 8.5    | 8.5    | 8.5    | 5.7    | 5.7    |
| 85°   | 11.3   | 8.5    | 5.7    | 5.7    | 2.8    | 5.7    | 0.0    | 2.8    | 2.8    | 0.0    | 0.0    |
| 87.5° | 5.7    | 2.8    | 2.8    | 2.8    | 2.8    | 0.0    | 0.0    | 2.8    | 0.0    | 2.8    | 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    |



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**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 | 6045.5 |
| 2.5°  | 6093.5 | 6104.8 | 6119.0 | 6130.2 | 6155.7 | 6161.3 | 6172.7 | 6184.0 | 6192.4 | 6200.8 | 6203.7 |
| 5°    | 6133.0 | 6175.5 | 6215.0 | 6257.3 | 6311.1 | 6347.8 | 6390.1 | 6426.9 | 6463.6 | 6494.7 | 6517.2 |
| 7.5°  | 6144.4 | 6209.3 | 6268.7 | 6342.1 | 6421.2 | 6489.1 | 6559.7 | 6630.2 | 6703.7 | 6760.2 | 6808.3 |
| 10°   | 6167.0 | 6246.1 | 6322.3 | 6409.9 | 6511.6 | 6602.0 | 6689.5 | 6782.8 | 6876.1 | 6955.1 | 7025.8 |
| 12.5° | 6206.5 | 6294.1 | 6376.1 | 6472.1 | 6576.6 | 6678.3 | 6774.3 | 6878.8 | 6977.8 | 7065.4 | 7144.4 |
| 15°   | 6271.5 | 6353.4 | 6432.6 | 6522.9 | 6627.5 | 6720.7 | 6816.8 | 6918.4 | 7017.3 | 7107.7 | 7181.2 |
| 17.5° | 6313.8 | 6390.1 | 6469.2 | 6551.2 | 6638.7 | 6723.5 | 6813.8 | 6904.3 | 6994.7 | 7076.6 | 7144.4 |
| 20°   | 6313.8 | 6387.3 | 6446.6 | 6520.1 | 6602.0 | 6675.5 | 6749.0 | 6828.0 | 6907.1 | 6974.9 | 7039.9 |
| 22.5° | 6263.0 | 6333.6 | 6378.8 | 6435.4 | 6505.9 | 6568.1 | 6607.7 | 6695.2 | 6754.5 | 6813.8 | 6861.9 |
| 25°   | 6144.4 | 6195.2 | 6232.0 | 6271.5 | 6328.0 | 6370.4 | 6404.3 | 6455.1 | 6514.4 | 6537.1 | 6570.9 |
| 27.5° | 5929.7 | 5966.4 | 5986.2 | 5994.7 | 6022.9 | 6045.5 | 6051.2 | 6073.7 | 6099.2 | 6104.8 | 6119.0 |
| 30°   | 5590.7 | 5593.5 | 5585.0 | 5582.2 | 5568.0 | 5551.2 | 5548.3 | 5545.5 | 5534.2 | 5522.9 | 5525.7 |
| 32.5° | 5079.3 | 5065.2 | 5031.3 | 4994.7 | 4957.9 | 4918.4 | 4895.7 | 4867.4 | 4850.5 | 4833.6 | 4813.8 |
| 35°   | 4418.3 | 4384.4 | 4336.4 | 4291.2 | 4248.8 | 4217.7 | 4166.9 | 4149.9 | 4133.0 | 4110.4 | 4104.8 |
| 37.5° | 3641.4 | 3621.6 | 3576.4 | 3542.6 | 3520.0 | 3505.8 | 3480.4 | 3463.5 | 3463.5 | 3455.0 | 3449.3 |
| 40°   | 2839.1 | 2833.5 | 2816.5 | 2825.0 | 2813.7 | 2819.3 | 2816.5 | 2810.8 | 2825.0 | 2825.0 | 2830.7 |
| 42.5° | 2130.0 | 2132.9 | 2141.4 | 2147.0 | 2164.0 | 2166.7 | 2180.9 | 2180.9 | 2189.4 | 2197.8 | 2203.5 |
| 45°   | 1584.8 | 1596.2 | 1596.2 | 1607.4 | 1624.4 | 1627.2 | 1632.8 | 1635.7 | 1641.3 | 1655.5 | 1661.0 |
| 47.5° | 1189.3 | 1192.1 | 1192.1 | 1195.0 | 1200.6 | 1206.3 | 1203.5 | 1206.3 | 1214.8 | 1209.1 | 1214.8 |
| 50°   | 878.6  | 881.4  | 872.9  | 864.4  | 872.9  | 872.9  | 870.1  | 861.6  | 870.1  | 858.8  | 864.4  |
| 52.5° | 599.0  | 596.0  | 587.6  | 590.5  | 584.8  | 582.0  | 582.0  | 576.3  | 576.3  | 576.3  | 565.0  |
| 55°   | 378.6  | 378.6  | 372.9  | 372.9  | 370.1  | 364.4  | 361.6  | 358.7  | 355.9  | 353.1  | 353.1  |
| 57.5° | 211.9  | 214.7  | 206.3  | 203.4  | 206.3  | 203.4  | 197.8  | 197.8  | 197.8  | 189.3  | 194.9  |
| 60°   | 115.8  | 113.0  | 110.2  | 107.3  | 104.5  | 107.3  | 107.3  | 101.7  | 101.7  | 101.7  | 104.5  |
| 62.5° | 62.1   | 62.1   | 59.3   | 59.3   | 56.5   | 56.5   | 62.1   | 53.7   | 56.5   | 53.7   | 56.5   |
| 65°   | 34.0   | 42.3   | 31.0   | 31.0   | 39.5   | 36.7   | 34.0   | 34.0   | 36.7   | 31.0   | 34.0   |
| 67.5° | 36.7   | 25.5   | 22.6   | 25.5   | 22.6   | 22.6   | 22.6   | 28.3   | 25.5   | 19.8   | 25.5   |
| 70°   | 17.0   | 19.8   | 19.8   | 14.1   | 22.6   | 11.3   | 19.8   | 11.3   | 17.0   | 14.1   | 17.0   |
| 72.5° | 17.0   | 17.0   | 17.0   | 11.3   | 17.0   | 11.3   | 14.1   | 14.1   | 11.3   | 11.3   | 17.0   |
| 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° | 5.7    | 5.7    | 2.8    | 2.8    | 2.8    | 2.8    | 5.7    | 5.7    | 5.7    | 0.0    | 2.8    |
| 80°   | 5.7    | 5.7    | 0.0    | 2.8    | 0.0    | 0.0    | 2.8    | 0.0    | 2.8    | 0.0    | 5.7    |
| 82.5° | 2.8    | 5.7    | 2.8    | 2.8    | 5.7    | 5.7    | 5.7    | 2.8    | 2.8    | 2.8    | 2.8    |
| 85°   | 0.0    | 2.8    | 0.0    | 0.0    | 0.0    | 0.0    | 5.7    | 0.0    | 0.0    | 0.0    | 2.8    |
| 87.5° | 0.0    | 2.8    | 0.0    | 0.0    | 0.0    | 0.0    | 2.8    | 2.8    | 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: P250269

CATALOG NUMBER: LSR8B100D010 EC8B100950 8LBSW0WH

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 6045.5 | 6045.5 | 6045.5 | 6045.5 |
| 2.5°  | 6206.5 | 6209.3 | 6215.0 | 6212.2 |
| 5°    | 6534.2 | 6556.9 | 6568.1 | 6565.4 |
| 7.5°  | 6842.1 | 6881.8 | 6904.3 | 6904.3 |
| 10°   | 7079.4 | 7124.7 | 7158.5 | 7164.2 |
| 12.5° | 7206.5 | 7257.5 | 7302.7 | 7291.3 |
| 15°   | 7243.3 | 7294.2 | 7339.3 | 7330.8 |
| 17.5° | 7200.9 | 7251.8 | 7285.7 | 7280.0 |
| 20°   | 7085.1 | 7127.5 | 7161.4 | 7158.5 |
| 22.5° | 6904.3 | 6941.1 | 6969.3 | 6966.4 |
| 25°   | 6599.2 | 6624.7 | 6647.2 | 6635.9 |
| 27.5° | 6130.2 | 6138.7 | 6152.8 | 6135.9 |
| 30°   | 5505.9 | 5511.5 | 5517.2 | 5514.4 |
| 32.5° | 4805.4 | 4802.4 | 4796.9 | 4791.2 |
| 35°   | 4096.3 | 4096.3 | 4099.1 | 4082.1 |
| 37.5° | 3452.1 | 3449.3 | 3457.8 | 3449.3 |
| 40°   | 2836.3 | 2833.5 | 2844.8 | 2830.7 |
| 42.5° | 2212.0 | 2220.5 | 2223.3 | 2223.3 |
| 45°   | 1664.0 | 1666.7 | 1669.5 | 1669.5 |
| 47.5° | 1214.8 | 1217.6 | 1231.7 | 1214.8 |
| 50°   | 858.8  | 861.6  | 864.4  | 858.8  |
| 52.5° | 567.8  | 570.7  | 567.8  | 559.3  |
| 55°   | 347.4  | 350.3  | 350.3  | 350.3  |
| 57.5° | 186.4  | 189.3  | 189.3  | 186.4  |
| 60°   | 101.7  | 98.8   | 101.7  | 96.0   |
| 62.5° | 53.7   | 59.3   | 56.5   | 50.8   |
| 65°   | 34.0   | 34.0   | 34.0   | 39.5   |
| 67.5° | 28.3   | 22.6   | 25.5   | 19.8   |
| 70°   | 17.0   | 19.8   | 19.8   | 14.1   |
| 72.5° | 14.1   | 14.1   | 14.1   | 17.0   |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 5.7    | 5.7    | 5.7    | 2.8    |
| 80°   | 2.8    | 0.0    | 2.8    | 0.0    |
| 82.5° | 2.8    | 2.8    | 5.7    | 2.8    |
| 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)