

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: P248456

Luminaire Tested: **LSR8B100D010 EC8B100835 8LBDW0WH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248456  
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: LSR8B100D010 EC8B100835 8LBDW0WH  
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH WHEAT TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11116.0 lumens  
Efficiency: N/A  
Efficacy: 104.6 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

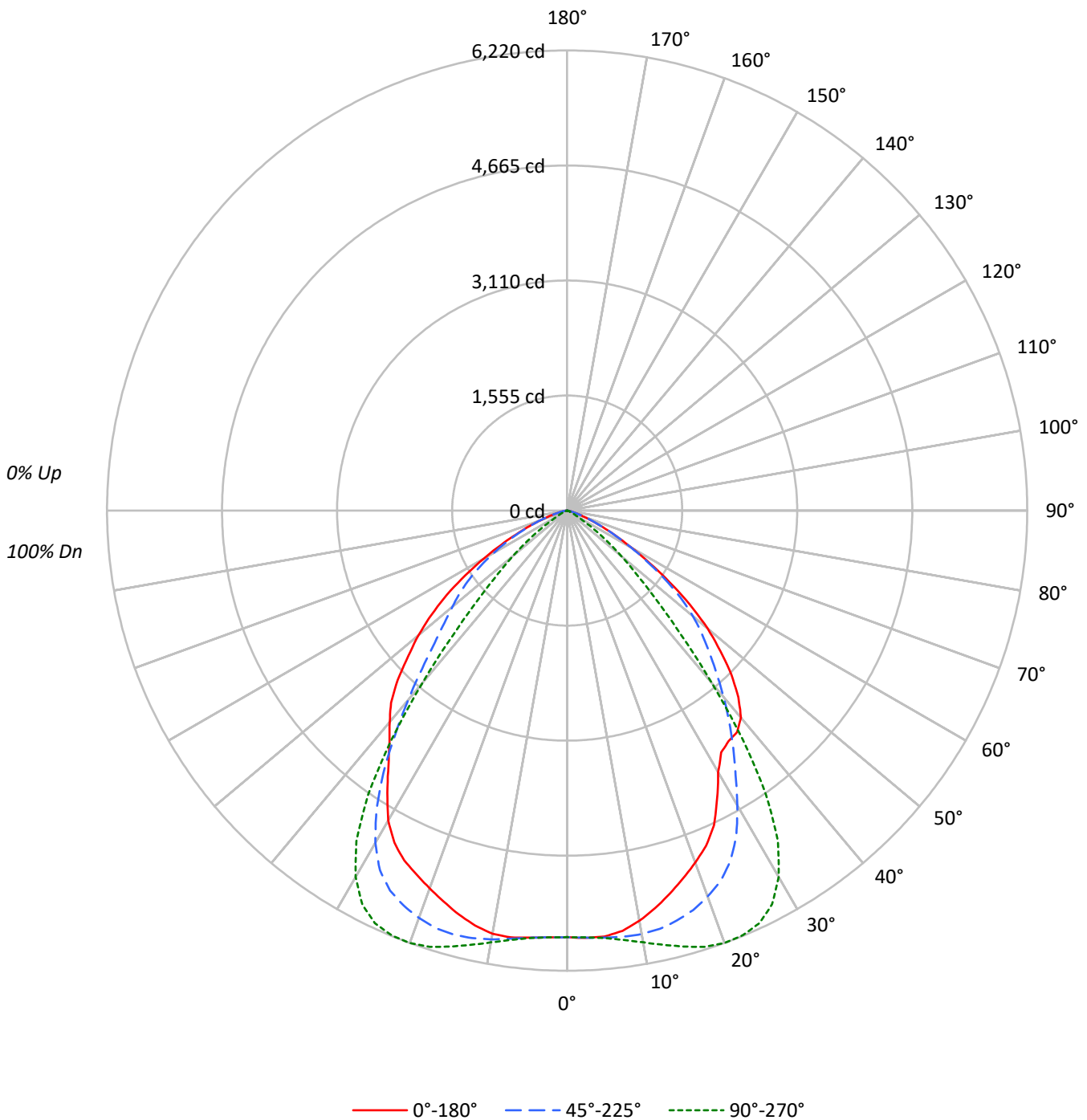
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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 | 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°  | 177821 | 177821 | 177821 |
| 5°  | 178881 | 179543 | 179351 |
| 10° | 176252 | 185549 | 181907 |
| 15° | 171097 | 194743 | 180477 |
| 20° | 166134 | 204098 | 178286 |
| 25° | 159753 | 209327 | 177460 |
| 30° | 145386 | 203588 | 172198 |
| 35° | 143221 | 176408 | 158429 |
| 40° | 147116 | 122348 | 150192 |
| 45° | 136950 | 73948  | 141224 |
| 50° | 118790 | 45665  | 125842 |
| 55° | 91163  | 23859  | 106797 |
| 60° | 62104  | 9627   | 80606  |
| 65° | 38635  | 4911   | 55607  |
| 70° | 20971  | 3038   | 33945  |
| 75° | 10937  | 1454   | 20064  |
| 80° | 4901   | 1634   | 10868  |
| 85° | 3255   | 1097   | 9765   |



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 554.6   | 5.0       |
| 10°-20°   | 1642.8  | 14.8      |
| 20°-30°   | 2506.3  | 22.5      |
| 30°-40°   | 2615.4  | 23.5      |
| 40°-50°   | 1964.5  | 17.7      |
| 50°-60°   | 1208.7  | 10.9      |
| 60°-70°   | 491.9   | 4.4       |
| 70°-80°   | 115.9   | 1.0       |
| 80°-90°   | 16.0    | 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°    | 4703.7  | 42.3      |
| 0°-40°    | 7319.1  | 65.8      |
| 0°-60°    | 10492.2 | 94.4      |
| 0°-90°    | 11116.0 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 11116.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 5767 | 5767 | 5767 | 5767 | 5767 |      |
| 5°  | 5779 | 5794 | 5800 | 5794 | 5794 | 547  |
| 15° | 5360 | 5736 | 6100 | 5932 | 5653 | 1510 |
| 25° | 4695 | 5222 | 6152 | 5666 | 5216 | 2135 |
| 35° | 3805 | 3912 | 4686 | 4331 | 4209 | 2402 |
| 45° | 3140 | 2718 | 1696 | 2531 | 3238 | 2396 |
| 55° | 1696 | 1610 | 444  | 1610 | 1986 | 1524 |
| 65° | 530  | 536  | 67   | 719  | 762  | 552  |
| 75° | 92   | 92   | 12   | 162  | 168  | 111  |
| 85° | 9    | 9    | 3    | 21   | 28   | 13   |
| 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°    | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 |
| 2.5°  | 5781.9 | 5772.7 | 5781.9 | 5781.9 | 5785.0 | 5778.9 | 5781.9 | 5785.0 | 5778.9 | 5778.9 | 5778.9 |
| 5°    | 5778.9 | 5772.7 | 5778.9 | 5775.8 | 5781.9 | 5781.9 | 5788.1 | 5788.1 | 5794.1 | 5794.1 | 5803.4 |
| 7.5°  | 5729.9 | 5717.7 | 5729.9 | 5739.1 | 5745.2 | 5757.5 | 5772.7 | 5785.0 | 5797.2 | 5809.5 | 5824.8 |
| 10°   | 5628.9 | 5628.9 | 5638.1 | 5656.4 | 5674.8 | 5696.2 | 5723.7 | 5754.4 | 5785.0 | 5812.5 | 5840.1 |
| 12.5° | 5503.4 | 5494.2 | 5512.5 | 5537.0 | 5564.6 | 5598.3 | 5641.1 | 5687.1 | 5736.0 | 5791.1 | 5834.0 |
| 15°   | 5359.5 | 5350.3 | 5371.7 | 5396.2 | 5429.9 | 5478.9 | 5531.0 | 5592.2 | 5662.6 | 5736.0 | 5806.4 |
| 17.5° | 5212.6 | 5209.5 | 5230.9 | 5264.7 | 5292.2 | 5344.2 | 5411.6 | 5485.0 | 5564.6 | 5662.6 | 5754.4 |
| 20°   | 5062.7 | 5059.6 | 5081.0 | 5108.6 | 5145.3 | 5194.3 | 5261.6 | 5347.3 | 5442.1 | 5552.4 | 5659.5 |
| 22.5° | 4906.5 | 4909.6 | 4927.9 | 4958.6 | 4989.2 | 5041.2 | 5111.6 | 5197.3 | 5301.3 | 5420.7 | 5540.1 |
| 25°   | 4695.3 | 4680.0 | 4704.5 | 4735.2 | 4787.1 | 4830.0 | 4897.4 | 4989.2 | 5096.3 | 5221.8 | 5362.6 |
| 27.5° | 4389.2 | 4386.1 | 4407.6 | 4435.1 | 4481.0 | 4533.1 | 4606.6 | 4701.4 | 4814.7 | 4952.4 | 5090.1 |
| 30°   | 4083.1 | 4089.3 | 4098.5 | 4126.0 | 4156.6 | 4208.6 | 4282.1 | 4361.7 | 4468.8 | 4600.4 | 4747.4 |
| 32.5° | 3875.0 | 3875.0 | 3887.3 | 3905.6 | 3927.0 | 3954.6 | 4006.7 | 4064.8 | 4147.5 | 4239.3 | 4346.4 |
| 35°   | 3804.6 | 3792.4 | 3804.6 | 3807.7 | 3810.7 | 3816.9 | 3826.0 | 3844.4 | 3871.9 | 3911.8 | 3951.5 |
| 37.5° | 3774.0 | 3764.8 | 3764.8 | 3752.6 | 3737.3 | 3718.9 | 3694.4 | 3666.9 | 3636.3 | 3596.5 | 3565.9 |
| 40°   | 3654.7 | 3648.5 | 3642.4 | 3630.2 | 3596.5 | 3559.8 | 3519.9 | 3455.7 | 3385.3 | 3287.3 | 3189.4 |
| 42.5° | 3425.1 | 3419.0 | 3415.9 | 3391.4 | 3360.8 | 3317.9 | 3272.0 | 3204.7 | 3116.0 | 2990.4 | 2849.6 |
| 45°   | 3140.4 | 3128.2 | 3119.0 | 3097.6 | 3076.1 | 3039.4 | 2996.6 | 2935.3 | 2846.6 | 2718.0 | 2549.7 |
| 47.5° | 2809.9 | 2803.7 | 2800.6 | 2791.5 | 2770.1 | 2748.6 | 2721.1 | 2672.1 | 2592.5 | 2470.1 | 2295.6 |
| 50°   | 2476.2 | 2464.0 | 2470.1 | 2467.1 | 2457.9 | 2442.6 | 2424.2 | 2390.5 | 2329.3 | 2219.1 | 2060.0 |
| 52.5° | 2093.6 | 2093.6 | 2090.6 | 2099.7 | 2102.8 | 2099.7 | 2102.8 | 2066.1 | 2014.0 | 1931.4 | 1796.7 |
| 55°   | 1695.7 | 1695.7 | 1704.9 | 1717.2 | 1729.4 | 1732.4 | 1729.4 | 1714.1 | 1677.3 | 1610.0 | 1490.6 |
| 57.5° | 1322.2 | 1316.2 | 1334.5 | 1352.9 | 1365.2 | 1377.4 | 1368.2 | 1355.9 | 1334.5 | 1279.4 | 1187.6 |
| 60°   | 1007.0 | 1007.0 | 1019.2 | 1031.5 | 1043.7 | 1056.0 | 1052.9 | 1049.9 | 1031.5 | 994.7  | 921.3  |
| 62.5° | 740.7  | 743.8  | 743.8  | 753.0  | 765.2  | 777.5  | 786.6  | 777.5  | 768.3  | 743.8  | 694.8  |
| 65°   | 529.5  | 526.4  | 529.5  | 538.7  | 547.9  | 560.1  | 566.3  | 563.2  | 554.0  | 535.6  | 498.9  |
| 67.5° | 355.1  | 352.0  | 364.2  | 367.3  | 373.4  | 385.7  | 382.6  | 385.7  | 382.6  | 367.3  | 336.7  |
| 70°   | 232.6  | 226.5  | 232.6  | 229.5  | 238.8  | 241.8  | 247.9  | 251.0  | 247.9  | 238.8  | 229.5  |
| 72.5° | 143.9  | 140.8  | 143.9  | 146.9  | 150.0  | 153.0  | 159.1  | 159.1  | 156.1  | 150.0  | 137.7  |
| 75°   | 91.8   | 82.6   | 85.7   | 79.6   | 85.7   | 85.7   | 91.8   | 94.9   | 91.8   | 91.8   | 85.7   |
| 77.5° | 55.1   | 55.1   | 55.1   | 55.1   | 55.1   | 55.1   | 55.1   | 58.2   | 61.2   | 55.1   | 52.1   |
| 80°   | 27.6   | 27.6   | 30.6   | 30.6   | 30.6   | 33.7   | 30.6   | 30.6   | 30.6   | 33.7   | 24.5   |
| 82.5° | 21.4   | 18.3   | 18.3   | 18.3   | 21.4   | 18.3   | 18.3   | 18.3   | 18.3   | 18.3   | 18.3   |
| 85°   | 9.2    | 12.2   | 9.2    | 6.1    | 9.2    | 9.2    | 12.2   | 9.2    | 9.2    | 9.2    | 12.2   |
| 87.5° | 3.1    | 3.1    | 0.0    | 0.0    | 0.0    | 3.1    | 0.0    | 3.1    | 3.1    | 6.1    | 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°    | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 |
| 2.5°  | 5781.9 | 5775.8 | 5775.8 | 5772.7 | 5778.9 | 5772.7 | 5775.8 | 5772.7 | 5772.7 | 5778.9 | 5772.7 |
| 5°    | 5803.4 | 5806.4 | 5800.3 | 5797.2 | 5806.4 | 5806.4 | 5806.4 | 5800.3 | 5800.3 | 5803.4 | 5800.3 |
| 7.5°  | 5834.0 | 5840.1 | 5843.1 | 5846.2 | 5852.3 | 5855.4 | 5855.4 | 5852.3 | 5849.3 | 5858.5 | 5846.2 |
| 10°   | 5867.6 | 5876.8 | 5895.2 | 5904.4 | 5919.7 | 5919.7 | 5925.8 | 5925.8 | 5919.7 | 5925.8 | 5922.7 |
| 12.5° | 5855.4 | 5910.5 | 5941.1 | 5962.5 | 5983.9 | 6002.3 | 6008.4 | 6011.5 | 6008.4 | 6020.7 | 6008.4 |
| 15°   | 5876.8 | 5922.7 | 5971.7 | 6008.4 | 6048.2 | 6069.6 | 6075.7 | 6100.2 | 6106.4 | 6109.5 | 6091.1 |
| 17.5° | 5843.1 | 5925.8 | 5977.8 | 6032.9 | 6091.1 | 6130.9 | 6167.6 | 6182.9 | 6186.0 | 6192.1 | 6167.6 |
| 20°   | 5766.6 | 5858.5 | 5938.0 | 6017.6 | 6085.0 | 6146.1 | 6176.8 | 6219.6 | 6207.4 | 6231.9 | 6198.2 |
| 22.5° | 5662.6 | 5766.6 | 5867.6 | 5971.7 | 6042.1 | 6115.6 | 6179.9 | 6210.4 | 6225.8 | 6225.8 | 6189.0 |
| 25°   | 5497.3 | 5619.7 | 5729.9 | 5837.0 | 5944.2 | 6032.9 | 6106.4 | 6152.3 | 6161.5 | 6158.4 | 6115.6 |
| 27.5° | 5240.2 | 5371.7 | 5500.3 | 5622.8 | 5754.4 | 5858.5 | 5944.2 | 5999.2 | 6014.6 | 6014.6 | 5968.7 |
| 30°   | 4885.1 | 5025.9 | 5151.4 | 5298.3 | 5433.0 | 5549.3 | 5668.7 | 5717.7 | 5745.2 | 5745.2 | 5693.2 |
| 32.5° | 4462.7 | 4582.1 | 4698.4 | 4842.3 | 4989.2 | 5120.8 | 5234.0 | 5301.3 | 5335.1 | 5332.0 | 5286.1 |
| 35°   | 4003.6 | 4061.7 | 4150.5 | 4257.6 | 4389.2 | 4511.7 | 4621.8 | 4686.2 | 4744.3 | 4741.2 | 4698.4 |
| 37.5° | 3544.4 | 3529.1 | 3538.4 | 3578.1 | 3660.7 | 3746.5 | 3832.2 | 3893.4 | 3942.3 | 3963.8 | 3954.6 |
| 40°   | 3094.5 | 3014.9 | 2938.4 | 2910.9 | 2917.0 | 2947.6 | 2993.5 | 3039.4 | 3094.5 | 3122.1 | 3134.3 |
| 42.5° | 2690.5 | 2555.8 | 2421.1 | 2320.1 | 2261.9 | 2243.6 | 2265.0 | 2280.3 | 2314.0 | 2353.8 | 2393.6 |
| 45°   | 2366.0 | 2185.5 | 2007.9 | 1851.8 | 1753.9 | 1695.7 | 1683.5 | 1695.7 | 1714.1 | 1753.9 | 1805.9 |
| 47.5° | 2099.7 | 1888.5 | 1689.6 | 1515.1 | 1371.2 | 1294.8 | 1273.3 | 1267.2 | 1285.5 | 1322.2 | 1392.6 |
| 50°   | 1864.0 | 1652.8 | 1432.5 | 1230.4 | 1080.5 | 994.7  | 964.2  | 951.9  | 973.3  | 1000.9 | 1065.1 |
| 52.5° | 1606.9 | 1398.8 | 1172.3 | 976.4  | 820.3  | 731.6  | 697.9  | 679.5  | 691.7  | 728.5  | 792.7  |
| 55°   | 1328.4 | 1135.5 | 930.5  | 728.5  | 578.5  | 495.9  | 456.0  | 443.8  | 456.0  | 495.9  | 560.1  |
| 57.5° | 1049.9 | 887.6  | 716.2  | 526.4  | 391.8  | 309.2  | 269.3  | 257.1  | 290.8  | 306.1  | 373.4  |
| 60°   | 820.3  | 688.7  | 541.8  | 385.7  | 269.3  | 205.1  | 165.3  | 156.1  | 171.4  | 198.9  | 254.0  |
| 62.5° | 615.3  | 532.6  | 416.3  | 275.5  | 198.9  | 131.6  | 110.2  | 101.0  | 110.2  | 131.6  | 174.5  |
| 65°   | 446.9  | 382.6  | 290.8  | 202.0  | 134.7  | 98.0   | 73.5   | 67.3   | 76.5   | 91.8   | 128.6  |
| 67.5° | 306.1  | 257.1  | 202.0  | 140.8  | 91.8   | 61.2   | 52.1   | 52.1   | 55.1   | 67.3   | 94.9   |
| 70°   | 198.9  | 168.4  | 128.6  | 91.8   | 61.2   | 45.9   | 39.8   | 33.7   | 39.8   | 49.0   | 64.3   |
| 72.5° | 125.5  | 107.1  | 82.6   | 64.3   | 45.9   | 33.7   | 27.6   | 24.5   | 30.6   | 36.7   | 49.0   |
| 75°   | 76.5   | 58.2   | 42.8   | 33.7   | 24.5   | 24.5   | 24.5   | 12.2   | 15.3   | 24.5   | 30.6   |
| 77.5° | 45.9   | 39.8   | 33.7   | 27.6   | 21.4   | 12.2   | 12.2   | 12.2   | 15.3   | 18.3   | 27.6   |
| 80°   | 24.5   | 21.4   | 15.3   | 15.3   | 12.2   | 9.2    | 12.2   | 9.2    | 6.1    | 15.3   | 18.3   |
| 82.5° | 15.3   | 12.2   | 12.2   | 12.2   | 15.3   | 6.1    | 9.2    | 6.1    | 9.2    | 12.2   | 9.2    |
| 85°   | 9.2    | 9.2    | 9.2    | 6.1    | 15.3   | 6.1    | 6.1    | 3.1    | 3.1    | 6.1    | 6.1    |
| 87.5° | 0.0    | 3.1    | 3.1    | 0.0    | 3.1    | 0.0    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    |
| 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°    | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 | 5766.6 |
| 2.5°  | 5775.8 | 5772.7 | 5775.8 | 5772.7 | 5772.7 | 5772.7 | 5775.8 | 5775.8 | 5772.7 | 5772.7 | 5778.9 |
| 5°    | 5800.3 | 5800.3 | 5800.3 | 5797.2 | 5794.1 | 5794.1 | 5800.3 | 5800.3 | 5791.1 | 5800.3 | 5800.3 |
| 7.5°  | 5852.3 | 5843.1 | 5852.3 | 5840.1 | 5834.0 | 5837.0 | 5840.1 | 5834.0 | 5827.9 | 5830.9 | 5830.9 |
| 10°   | 5919.7 | 5910.5 | 5910.5 | 5901.3 | 5892.1 | 5886.0 | 5879.9 | 5864.5 | 5849.3 | 5846.2 | 5834.0 |
| 12.5° | 5999.2 | 5983.9 | 5974.8 | 5956.4 | 5941.1 | 5919.7 | 5901.3 | 5876.8 | 5846.2 | 5824.8 | 5803.4 |
| 15°   | 6078.8 | 6054.3 | 6032.9 | 6002.3 | 5968.7 | 5931.9 | 5892.1 | 5852.3 | 5803.4 | 5760.5 | 5723.7 |
| 17.5° | 6143.1 | 6109.5 | 6069.6 | 6020.7 | 5971.7 | 5916.6 | 5858.5 | 5800.3 | 5729.9 | 5674.8 | 5631.9 |
| 20°   | 6164.5 | 6115.6 | 6063.5 | 5999.2 | 5934.9 | 5858.5 | 5785.0 | 5708.5 | 5628.9 | 5570.7 | 5521.8 |
| 22.5° | 6137.0 | 6078.8 | 6014.6 | 5947.2 | 5861.5 | 5778.9 | 5693.2 | 5604.4 | 5534.0 | 5454.4 | 5408.5 |
| 25°   | 6060.5 | 5990.1 | 5919.7 | 5840.1 | 5757.5 | 5665.6 | 5573.8 | 5482.0 | 5396.2 | 5353.4 | 5295.3 |
| 27.5° | 5904.4 | 5827.9 | 5751.3 | 5668.7 | 5573.8 | 5482.0 | 5387.1 | 5298.3 | 5224.9 | 5166.7 | 5133.1 |
| 30°   | 5628.9 | 5540.1 | 5451.4 | 5362.6 | 5279.9 | 5185.0 | 5096.3 | 5022.8 | 4949.3 | 4903.4 | 4869.8 |
| 32.5° | 5206.5 | 5126.9 | 5038.2 | 4952.4 | 4876.0 | 4796.3 | 4722.9 | 4658.6 | 4606.6 | 4575.9 | 4551.4 |
| 35°   | 4637.2 | 4557.6 | 4490.2 | 4429.1 | 4364.7 | 4331.1 | 4285.2 | 4248.4 | 4227.0 | 4214.8 | 4211.7 |
| 37.5° | 3920.9 | 3875.0 | 3853.6 | 3841.4 | 3829.1 | 3820.0 | 3826.0 | 3841.4 | 3853.6 | 3875.0 | 3899.5 |
| 40°   | 3155.7 | 3195.5 | 3207.8 | 3250.6 | 3290.4 | 3342.4 | 3400.6 | 3468.0 | 3523.0 | 3593.4 | 3642.4 |
| 42.5° | 2457.9 | 2531.3 | 2617.0 | 2708.8 | 2806.8 | 2901.7 | 3018.0 | 3125.1 | 3223.0 | 3311.8 | 3388.3 |
| 45°   | 1888.5 | 2001.8 | 2130.4 | 2261.9 | 2393.6 | 2531.3 | 2672.1 | 2803.7 | 2920.0 | 3014.9 | 3094.5 |
| 47.5° | 1472.3 | 1597.8 | 1763.1 | 1925.3 | 2084.4 | 2246.7 | 2402.7 | 2540.5 | 2638.4 | 2730.2 | 2800.6 |
| 50°   | 1166.2 | 1310.0 | 1490.6 | 1677.3 | 1851.8 | 2023.2 | 2188.5 | 2317.1 | 2415.0 | 2488.5 | 2540.5 |
| 52.5° | 902.9  | 1074.3 | 1258.0 | 1453.9 | 1640.6 | 1827.3 | 1980.3 | 2099.7 | 2179.3 | 2243.6 | 2283.4 |
| 55°   | 673.4  | 841.7  | 1037.7 | 1239.6 | 1429.4 | 1610.0 | 1753.9 | 1858.0 | 1928.4 | 1965.1 | 1986.5 |
| 57.5° | 486.7  | 639.7  | 835.6  | 1037.7 | 1209.0 | 1380.4 | 1496.7 | 1591.6 | 1631.4 | 1652.8 | 1662.0 |
| 60°   | 355.1  | 495.9  | 670.3  | 844.8  | 1007.0 | 1144.7 | 1245.8 | 1310.0 | 1340.7 | 1352.9 | 1349.8 |
| 62.5° | 260.2  | 382.6  | 532.6  | 679.5  | 811.1  | 924.3  | 1003.9 | 1046.8 | 1062.1 | 1068.2 | 1059.1 |
| 65°   | 198.9  | 293.8  | 422.4  | 535.6  | 636.7  | 719.3  | 777.5  | 805.0  | 814.2  | 811.1  | 805.0  |
| 67.5° | 146.9  | 220.4  | 315.3  | 401.0  | 474.5  | 538.7  | 569.3  | 593.8  | 599.9  | 590.8  | 581.5  |
| 70°   | 104.1  | 162.2  | 229.5  | 287.7  | 342.8  | 379.6  | 413.2  | 416.3  | 416.3  | 413.2  | 407.1  |
| 72.5° | 73.5   | 113.2  | 156.1  | 195.9  | 229.5  | 257.1  | 269.3  | 278.5  | 275.5  | 272.4  | 266.3  |
| 75°   | 49.0   | 70.4   | 113.2  | 122.5  | 153.0  | 162.2  | 174.5  | 174.5  | 177.5  | 168.4  | 168.4  |
| 77.5° | 30.6   | 49.0   | 67.3   | 79.6   | 91.8   | 104.1  | 110.2  | 110.2  | 113.2  | 110.2  | 110.2  |
| 80°   | 18.3   | 30.6   | 36.7   | 55.1   | 55.1   | 64.3   | 67.3   | 70.4   | 64.3   | 73.5   | 64.3   |
| 82.5° | 12.2   | 18.3   | 27.6   | 27.6   | 33.7   | 39.8   | 39.8   | 42.8   | 42.8   | 39.8   | 39.8   |
| 85°   | 9.2    | 12.2   | 15.3   | 18.3   | 18.3   | 21.4   | 18.3   | 18.3   | 21.4   | 24.5   | 21.4   |
| 87.5° | 3.1    | 6.1    | 3.1    | 6.1    | 6.1    | 12.2   | 9.2    | 9.2    | 9.2    | 12.2   | 12.2   |
| 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: P248456

CATALOG NUMBER: LSR8B100D010 EC8B100835 8LBDW0WH

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 5766.6 | 5766.6 | 5766.6 | 5766.6 |
| 2.5°  | 5772.7 | 5775.8 | 5772.7 | 5772.7 |
| 5°    | 5800.3 | 5797.2 | 5800.3 | 5794.1 |
| 7.5°  | 5821.7 | 5821.7 | 5818.6 | 5818.6 |
| 10°   | 5821.7 | 5809.5 | 5809.5 | 5809.5 |
| 12.5° | 5775.8 | 5760.5 | 5751.3 | 5745.2 |
| 15°   | 5696.2 | 5668.7 | 5656.4 | 5653.3 |
| 17.5° | 5592.2 | 5567.7 | 5552.4 | 5543.2 |
| 20°   | 5472.8 | 5448.3 | 5429.9 | 5433.0 |
| 22.5° | 5368.7 | 5341.2 | 5328.9 | 5322.8 |
| 25°   | 5264.7 | 5230.9 | 5221.8 | 5215.7 |
| 27.5° | 5096.3 | 5077.9 | 5068.7 | 5059.6 |
| 30°   | 4839.2 | 4830.0 | 4814.7 | 4836.1 |
| 32.5° | 4542.3 | 4526.9 | 4514.7 | 4524.0 |
| 35°   | 4214.8 | 4205.6 | 4214.8 | 4208.6 |
| 37.5° | 3914.8 | 3924.0 | 3936.3 | 3942.3 |
| 40°   | 3679.2 | 3712.8 | 3725.1 | 3731.1 |
| 42.5° | 3443.5 | 3483.2 | 3507.7 | 3523.0 |
| 45°   | 3152.6 | 3192.4 | 3220.0 | 3238.4 |
| 47.5° | 2852.7 | 2886.4 | 2913.9 | 2910.9 |
| 50°   | 2580.3 | 2598.7 | 2610.9 | 2623.2 |
| 52.5° | 2304.8 | 2304.8 | 2307.8 | 2307.8 |
| 55°   | 1992.6 | 1986.5 | 1983.4 | 1986.5 |
| 57.5° | 1649.8 | 1643.7 | 1640.6 | 1631.4 |
| 60°   | 1337.6 | 1319.3 | 1307.0 | 1307.0 |
| 62.5° | 1046.8 | 1025.4 | 1016.2 | 1013.2 |
| 65°   | 786.6  | 783.5  | 765.2  | 762.1  |
| 67.5° | 569.3  | 557.1  | 544.9  | 547.9  |
| 70°   | 401.0  | 382.6  | 382.6  | 376.5  |
| 72.5° | 260.2  | 251.0  | 247.9  | 247.9  |
| 75°   | 162.2  | 162.2  | 156.1  | 168.4  |
| 77.5° | 107.1  | 107.1  | 104.1  | 107.1  |
| 80°   | 64.3   | 64.3   | 64.3   | 61.2   |
| 82.5° | 39.8   | 42.8   | 39.8   | 39.8   |
| 85°   | 21.4   | 24.5   | 18.3   | 27.6   |
| 87.5° | 12.2   | 15.3   | 12.2   | 15.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)