

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: P249113

Luminaire Tested: **LSR8B100D010 EC8B100840 8LBDW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249113  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13957)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B100D010 EC8B100840 8LBDW0H  
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10957.0 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.18  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

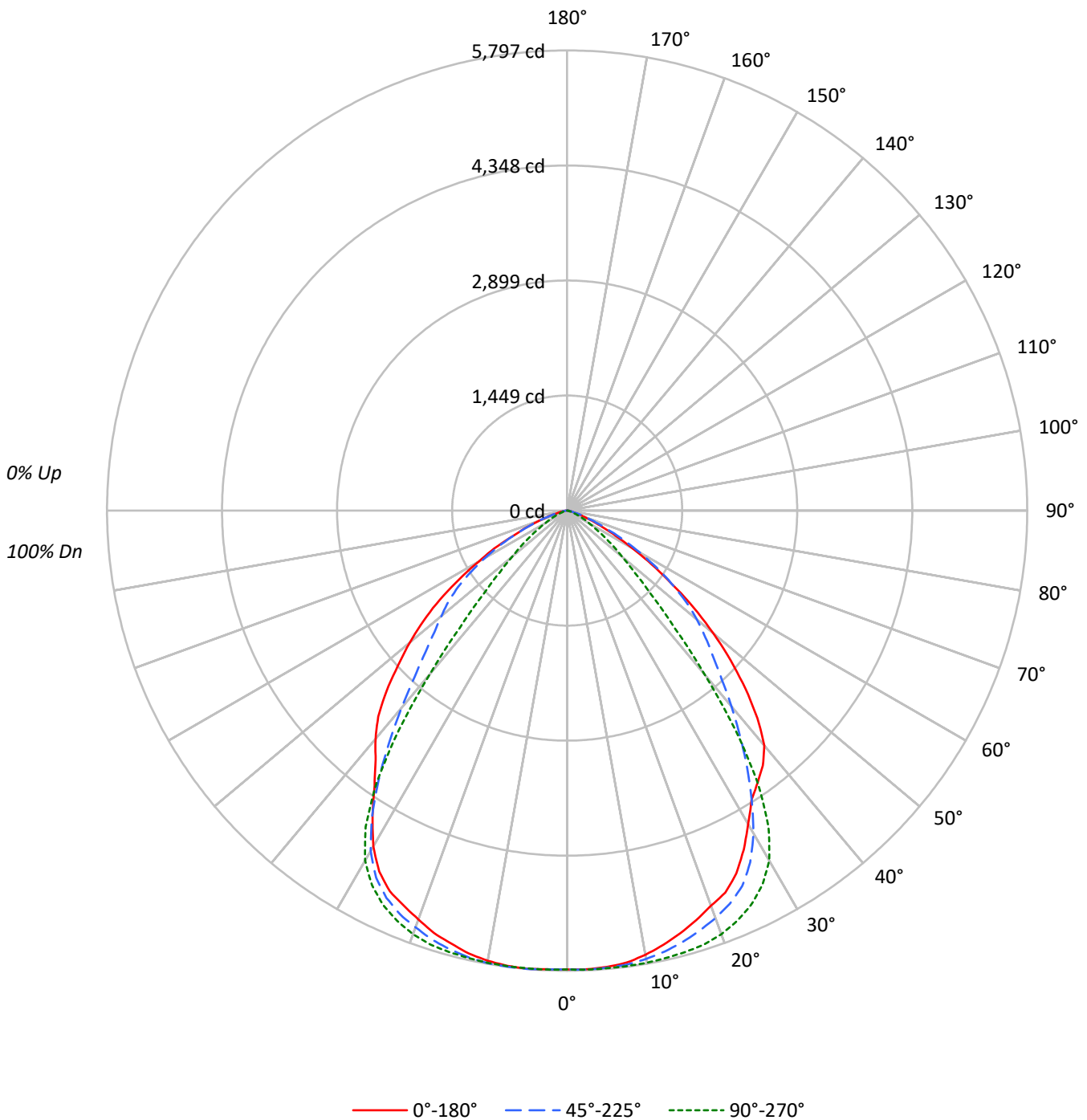
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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  | 91  | 90  |    |    |    |    | 90  |   |  |   |
| 2   | 104 | 97  | 92  | 88  | 101 | 96  | 91  | 87  | 92  | 88  | 85  | 89  | 86  | 83  | 86  | 83  | 81  | 79  |    |    |    |    | 79  |   |  |   |
| 3   | 96  | 88  | 81  | 76  | 94  | 86  | 80  | 75  | 84  | 78  | 74  | 81  | 77  | 73  | 79  | 75  | 72  | 70  |    |    |    |    | 70  |   |  |   |
| 4   | 89  | 80  | 72  | 67  | 87  | 78  | 72  | 66  | 76  | 70  | 66  | 74  | 69  | 65  | 72  | 67  | 64  | 62  |    |    |    |    | 62  |   |  |   |
| 5   | 83  | 72  | 65  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  | 68  | 62  | 58  | 66  | 61  | 57  | 55  |    |    |    |    | 55  |   |  |   |
| 6   | 78  | 66  | 58  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 50  |    |    |    |    | 50  |   |  |   |
| 7   | 72  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  |    |    |    |    | 45  |   |  |   |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 46  | 42  | 41  |    |    |    |    | 41  |   |  |   |
| 9   | 64  | 52  | 44  | 39  | 62  | 51  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 37  |    |    |    |    | 37  |   |  |   |
| 10  | 60  | 48  | 41  | 36  | 59  | 48  | 41  | 36  | 47  | 40  | 36  | 46  | 40  | 36  | 45  | 40  | 36  | 34  |    |    |    |    | 34  |   |  |   |

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

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 178268 | 178268 | 178268 |
| 5°  | 178661 | 179144 | 179336 |
| 10° | 177909 | 181115 | 180338 |
| 15° | 175937 | 183765 | 180298 |
| 20° | 173826 | 186348 | 179831 |
| 25° | 171570 | 186564 | 180018 |
| 30° | 162313 | 181316 | 173914 |
| 35° | 157469 | 157582 | 159220 |
| 40° | 155517 | 108424 | 151146 |
| 45° | 138572 | 65091  | 140465 |
| 50° | 115221 | 43319  | 124154 |
| 55° | 86416  | 29864  | 105265 |
| 60° | 58564  | 19902  | 79422  |
| 65° | 35322  | 12907  | 54563  |
| 70° | 19583  | 6996   | 33575  |
| 75° | 8876   | 2955   | 17383  |
| 80° | 7707   | 3303   | 12129  |
| 85° | 8774   | 4387   | 12100  |



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 551.7   | 5.0       |
| 10°-20°   | 1602.3  | 14.6      |
| 20°-30°   | 2432.0  | 22.2      |
| 30°-40°   | 2554.3  | 23.3      |
| 40°-50°   | 1915.0  | 17.5      |
| 50°-60°   | 1228.7  | 11.2      |
| 60°-70°   | 525.6   | 4.8       |
| 70°-80°   | 124.2   | 1.1       |
| 80°-90°   | 23.1    | 0.2       |
| 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°    | 4586.0  | 41.9      |
| 0°-40°    | 7140.3  | 65.2      |
| 0°-60°    | 10284.1 | 93.9      |
| 0°-90°    | 10957.0 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 10957.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 5781 | 5781 | 5781 | 5781 | 5781 |      |
| 5°  | 5772 | 5781 | 5787 | 5797 | 5794 | 548  |
| 15° | 5511 | 5626 | 5756 | 5719 | 5648 | 1554 |
| 25° | 5043 | 5220 | 5483 | 5384 | 5291 | 2304 |
| 35° | 4183 | 3950 | 4186 | 4136 | 4230 | 2625 |
| 45° | 3178 | 2597 | 1493 | 2523 | 3221 | 2434 |
| 55° | 1607 | 1607 | 556  | 1676 | 1958 | 1458 |
| 65° | 484  | 571  | 177  | 735  | 748  | 517  |
| 75° | 74   | 87   | 25   | 149  | 146  | 108  |
| 85° | 25   | 16   | 12   | 25   | 34   | 26   |
| 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°    | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 |
| 2.5°  | 5784.2 | 5790.5 | 5787.4 | 5787.4 | 5784.2 | 5787.4 | 5787.4 | 5793.6 | 5793.6 | 5787.4 | 5784.2 |
| 5°    | 5771.8 | 5778.0 | 5778.0 | 5771.8 | 5771.8 | 5787.4 | 5778.0 | 5784.2 | 5784.2 | 5781.1 | 5781.1 |
| 7.5°  | 5743.9 | 5743.9 | 5756.3 | 5747.0 | 5747.0 | 5756.3 | 5753.2 | 5759.4 | 5765.6 | 5768.8 | 5768.8 |
| 10°   | 5681.8 | 5688.0 | 5691.2 | 5691.2 | 5694.3 | 5703.5 | 5709.8 | 5722.2 | 5728.4 | 5734.6 | 5737.7 |
| 12.5° | 5604.3 | 5613.6 | 5616.7 | 5613.6 | 5622.9 | 5635.3 | 5650.8 | 5666.3 | 5675.7 | 5688.0 | 5697.4 |
| 15°   | 5511.1 | 5511.1 | 5517.4 | 5526.7 | 5532.9 | 5551.5 | 5567.0 | 5585.6 | 5610.4 | 5626.0 | 5641.5 |
| 17.5° | 5408.8 | 5415.0 | 5424.3 | 5424.3 | 5436.7 | 5467.7 | 5477.0 | 5505.0 | 5532.9 | 5548.4 | 5579.5 |
| 20°   | 5297.1 | 5303.2 | 5312.6 | 5318.8 | 5334.3 | 5359.1 | 5377.7 | 5402.5 | 5433.6 | 5461.5 | 5492.5 |
| 22.5° | 5210.1 | 5197.8 | 5203.9 | 5210.1 | 5225.7 | 5247.4 | 5269.1 | 5300.1 | 5331.2 | 5359.1 | 5390.2 |
| 25°   | 5042.6 | 5045.7 | 5055.0 | 5061.2 | 5079.9 | 5098.5 | 5123.3 | 5160.5 | 5188.4 | 5219.5 | 5253.6 |
| 27.5° | 4816.1 | 4819.2 | 4834.7 | 4834.7 | 4850.2 | 4881.2 | 4896.7 | 4927.8 | 4965.0 | 4996.0 | 5036.4 |
| 30°   | 4558.5 | 4564.7 | 4564.7 | 4577.1 | 4586.4 | 4602.0 | 4617.4 | 4648.5 | 4667.1 | 4695.0 | 4750.9 |
| 32.5° | 4322.7 | 4328.8 | 4325.7 | 4322.7 | 4313.4 | 4310.2 | 4307.1 | 4313.4 | 4319.6 | 4328.8 | 4350.6 |
| 35°   | 4183.1 | 4167.5 | 4155.1 | 4133.4 | 4108.6 | 4077.5 | 4049.6 | 4012.4 | 3978.2 | 3950.3 | 3919.3 |
| 37.5° | 4049.6 | 4046.5 | 4027.9 | 3996.8 | 3947.2 | 3891.3 | 3826.2 | 3745.5 | 3664.8 | 3577.9 | 3494.2 |
| 40°   | 3863.4 | 3854.1 | 3838.6 | 3795.1 | 3739.3 | 3671.0 | 3584.1 | 3484.8 | 3354.5 | 3221.0 | 3084.5 |
| 42.5° | 3546.9 | 3550.0 | 3531.4 | 3497.2 | 3444.5 | 3379.3 | 3289.3 | 3180.7 | 3041.1 | 2882.8 | 2705.9 |
| 45°   | 3177.6 | 3177.6 | 3171.4 | 3143.4 | 3106.2 | 3053.5 | 2985.2 | 2895.2 | 2758.7 | 2597.3 | 2408.0 |
| 47.5° | 2792.8 | 2795.9 | 2786.6 | 2780.4 | 2764.9 | 2730.8 | 2681.1 | 2612.9 | 2516.7 | 2361.5 | 2172.2 |
| 50°   | 2401.8 | 2401.8 | 2417.3 | 2414.2 | 2414.2 | 2401.8 | 2380.1 | 2339.7 | 2256.0 | 2131.8 | 1955.0 |
| 52.5° | 2010.8 | 2017.0 | 2026.4 | 2038.8 | 2054.2 | 2079.1 | 2054.2 | 2035.6 | 1982.9 | 1886.7 | 1734.7 |
| 55°   | 1607.4 | 1613.6 | 1629.1 | 1650.8 | 1669.5 | 1694.3 | 1700.5 | 1700.5 | 1672.6 | 1607.4 | 1492.6 |
| 57.5° | 1263.0 | 1253.7 | 1266.1 | 1284.7 | 1309.5 | 1334.4 | 1353.0 | 1374.7 | 1371.6 | 1328.1 | 1235.1 |
| 60°   | 949.6  | 952.7  | 961.9  | 980.6  | 999.2  | 1020.9 | 1045.8 | 1064.4 | 1073.7 | 1052.0 | 993.0  |
| 62.5° | 692.0  | 692.0  | 704.4  | 723.0  | 732.3  | 763.4  | 778.9  | 788.2  | 797.5  | 794.4  | 757.2  |
| 65°   | 484.1  | 490.3  | 496.5  | 505.8  | 515.1  | 533.7  | 543.0  | 561.6  | 567.9  | 571.0  | 543.0  |
| 67.5° | 341.4  | 332.0  | 338.3  | 344.4  | 353.8  | 366.2  | 384.8  | 384.8  | 394.1  | 394.1  | 375.5  |
| 70°   | 217.2  | 217.2  | 220.3  | 229.6  | 235.8  | 238.9  | 245.2  | 251.3  | 260.7  | 257.6  | 257.6  |
| 72.5° | 145.9  | 142.7  | 145.9  | 149.0  | 152.1  | 161.3  | 161.3  | 164.5  | 170.7  | 173.8  | 161.3  |
| 75°   | 74.5   | 77.6   | 83.8   | 80.7   | 90.0   | 83.8   | 86.9   | 96.2   | 93.1   | 86.9   | 86.9   |
| 77.5° | 62.0   | 62.0   | 62.0   | 59.0   | 65.1   | 65.1   | 62.0   | 68.3   | 65.1   | 65.1   | 62.0   |
| 80°   | 43.4   | 46.5   | 43.4   | 40.3   | 43.4   | 40.3   | 40.3   | 40.3   | 40.3   | 40.3   | 37.2   |
| 82.5° | 34.2   | 27.9   | 31.1   | 27.9   | 31.1   | 31.1   | 27.9   | 24.8   | 24.8   | 27.9   | 24.8   |
| 85°   | 24.8   | 18.6   | 21.7   | 21.7   | 18.6   | 18.6   | 18.6   | 18.6   | 18.6   | 15.5   | 15.5   |
| 87.5° | 15.5   | 9.3    | 9.3    | 9.3    | 12.4   | 12.4   | 12.4   | 9.3    | 12.4   | 12.4   | 6.2    |
| 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°    | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 |
| 2.5°  | 5790.5 | 5787.4 | 5793.6 | 5790.5 | 5790.5 | 5787.4 | 5790.5 | 5787.4 | 5793.6 | 5781.1 | 5784.2 |
| 5°    | 5790.5 | 5784.2 | 5787.4 | 5790.5 | 5793.6 | 5787.4 | 5787.4 | 5787.4 | 5793.6 | 5787.4 | 5790.5 |
| 7.5°  | 5778.0 | 5774.9 | 5784.2 | 5790.5 | 5787.4 | 5784.2 | 5790.5 | 5787.4 | 5793.6 | 5790.5 | 5796.6 |
| 10°   | 5753.2 | 5756.3 | 5762.5 | 5771.8 | 5774.9 | 5778.0 | 5784.2 | 5784.2 | 5793.6 | 5781.1 | 5787.4 |
| 12.5° | 5716.0 | 5728.4 | 5743.9 | 5750.1 | 5762.5 | 5762.5 | 5768.8 | 5771.8 | 5778.0 | 5774.9 | 5784.2 |
| 15°   | 5669.4 | 5684.9 | 5703.5 | 5719.1 | 5734.6 | 5743.9 | 5753.2 | 5756.3 | 5765.6 | 5756.3 | 5759.4 |
| 17.5° | 5613.6 | 5632.2 | 5660.1 | 5678.7 | 5703.5 | 5712.9 | 5725.2 | 5731.5 | 5740.8 | 5734.6 | 5737.7 |
| 20°   | 5536.0 | 5557.7 | 5588.7 | 5616.7 | 5632.2 | 5653.9 | 5669.4 | 5678.7 | 5684.9 | 5678.7 | 5681.8 |
| 22.5° | 5427.4 | 5458.4 | 5498.8 | 5520.5 | 5551.5 | 5570.1 | 5573.2 | 5595.0 | 5610.4 | 5595.0 | 5601.2 |
| 25°   | 5300.1 | 5331.2 | 5362.2 | 5408.8 | 5436.7 | 5458.4 | 5480.1 | 5483.3 | 5498.8 | 5495.6 | 5492.5 |
| 27.5° | 5089.1 | 5129.5 | 5182.2 | 5219.5 | 5256.7 | 5290.9 | 5315.7 | 5321.8 | 5337.4 | 5331.2 | 5334.3 |
| 30°   | 4800.5 | 4844.0 | 4893.7 | 4952.6 | 5005.4 | 5039.5 | 5070.5 | 5092.2 | 5107.7 | 5098.5 | 5095.3 |
| 32.5° | 4391.0 | 4434.4 | 4487.2 | 4546.1 | 4608.2 | 4657.8 | 4695.0 | 4723.0 | 4741.6 | 4735.4 | 4719.9 |
| 35°   | 3922.4 | 3934.8 | 3968.9 | 4015.5 | 4068.2 | 4120.9 | 4155.1 | 4186.1 | 4207.8 | 4214.0 | 4214.0 |
| 37.5° | 3441.4 | 3401.1 | 3376.2 | 3376.2 | 3407.2 | 3428.9 | 3460.0 | 3478.6 | 3512.8 | 3525.1 | 3534.5 |
| 40°   | 2975.9 | 2882.8 | 2795.9 | 2730.8 | 2687.3 | 2684.2 | 2684.2 | 2693.5 | 2724.5 | 2764.9 | 2802.1 |
| 42.5° | 2560.1 | 2411.1 | 2277.7 | 2156.7 | 2069.8 | 2020.2 | 1998.4 | 2001.6 | 2026.4 | 2063.6 | 2125.6 |
| 45°   | 2228.0 | 2041.9 | 1874.3 | 1728.4 | 1610.5 | 1532.9 | 1495.7 | 1492.6 | 1511.2 | 1554.6 | 1623.0 |
| 47.5° | 1970.5 | 1771.9 | 1582.6 | 1415.0 | 1287.8 | 1204.0 | 1160.6 | 1148.2 | 1160.6 | 1200.9 | 1281.6 |
| 50°   | 1756.4 | 1551.6 | 1356.1 | 1182.3 | 1045.8 | 958.9  | 918.5  | 903.0  | 918.5  | 952.7  | 1033.3 |
| 52.5° | 1557.8 | 1346.7 | 1163.7 | 996.1  | 850.2  | 775.8  | 732.3  | 723.0  | 732.3  | 772.7  | 837.9  |
| 55°   | 1328.1 | 1148.2 | 968.2  | 800.6  | 673.4  | 598.9  | 564.8  | 555.5  | 564.8  | 602.0  | 670.3  |
| 57.5° | 1101.6 | 946.5  | 788.2  | 636.1  | 527.6  | 462.3  | 431.3  | 418.9  | 440.6  | 465.4  | 546.2  |
| 60°   | 890.6  | 766.5  | 633.0  | 499.6  | 409.6  | 350.6  | 325.8  | 322.7  | 328.9  | 360.0  | 415.8  |
| 62.5° | 698.2  | 595.8  | 490.3  | 381.7  | 307.2  | 282.4  | 251.3  | 248.3  | 254.4  | 273.0  | 316.5  |
| 65°   | 502.7  | 437.6  | 356.9  | 279.3  | 220.3  | 186.2  | 173.8  | 176.9  | 183.1  | 195.5  | 235.8  |
| 67.5° | 350.6  | 304.1  | 248.3  | 195.5  | 152.1  | 136.5  | 124.1  | 121.0  | 124.1  | 145.9  | 167.6  |
| 70°   | 235.8  | 207.9  | 167.6  | 149.0  | 105.5  | 83.8   | 86.9   | 77.6   | 90.0   | 90.0   | 108.6  |
| 72.5° | 155.1  | 136.5  | 111.7  | 86.9   | 74.5   | 59.0   | 59.0   | 55.9   | 62.0   | 65.1   | 80.7   |
| 75°   | 80.7   | 62.0   | 62.0   | 43.4   | 31.1   | 15.5   | 27.9   | 24.8   | 21.7   | 24.8   | 31.1   |
| 77.5° | 55.9   | 46.5   | 43.4   | 34.2   | 31.1   | 24.8   | 24.8   | 24.8   | 24.8   | 27.9   | 31.1   |
| 80°   | 34.2   | 34.2   | 24.8   | 21.7   | 18.6   | 15.5   | 18.6   | 18.6   | 18.6   | 18.6   | 21.7   |
| 82.5° | 21.7   | 18.6   | 18.6   | 15.5   | 15.5   | 12.4   | 12.4   | 12.4   | 12.4   | 12.4   | 18.6   |
| 85°   | 18.6   | 12.4   | 12.4   | 9.3    | 12.4   | 21.7   | 9.3    | 12.4   | 12.4   | 12.4   | 9.3    |
| 87.5° | 6.2    | 9.3    | 9.3    | 9.3    | 6.2    | 3.1    | 6.2    | 9.3    | 9.3    | 15.5   | 12.4   |
| 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°    | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 | 5781.1 |
| 2.5°  | 5790.5 | 5793.6 | 5793.6 | 5790.5 | 5790.5 | 5784.2 | 5796.6 | 5787.4 | 5790.5 | 5802.8 | 5793.6 |
| 5°    | 5796.6 | 5799.7 | 5799.7 | 5796.6 | 5796.6 | 5796.6 | 5799.7 | 5799.7 | 5796.6 | 5793.6 | 5799.7 |
| 7.5°  | 5809.1 | 5806.0 | 5806.0 | 5799.7 | 5799.7 | 5793.6 | 5799.7 | 5790.5 | 5796.6 | 5790.5 | 5799.7 |
| 10°   | 5793.6 | 5796.6 | 5793.6 | 5790.5 | 5790.5 | 5787.4 | 5787.4 | 5778.0 | 5781.1 | 5771.8 | 5778.0 |
| 12.5° | 5784.2 | 5781.1 | 5781.1 | 5774.9 | 5768.8 | 5762.5 | 5759.4 | 5750.1 | 5750.1 | 5728.4 | 5737.7 |
| 15°   | 5759.4 | 5762.5 | 5753.2 | 5740.8 | 5734.6 | 5719.1 | 5712.9 | 5700.4 | 5688.0 | 5672.5 | 5675.7 |
| 17.5° | 5737.7 | 5728.4 | 5716.0 | 5703.5 | 5678.7 | 5666.3 | 5653.9 | 5635.3 | 5629.0 | 5610.4 | 5604.3 |
| 20°   | 5672.5 | 5666.3 | 5650.8 | 5629.0 | 5613.6 | 5585.6 | 5573.2 | 5554.6 | 5539.1 | 5520.5 | 5511.1 |
| 22.5° | 5588.7 | 5582.5 | 5563.9 | 5542.2 | 5517.4 | 5505.0 | 5492.5 | 5458.4 | 5442.9 | 5424.3 | 5421.2 |
| 25°   | 5483.3 | 5473.9 | 5455.3 | 5430.5 | 5418.0 | 5383.9 | 5371.5 | 5346.7 | 5340.5 | 5321.8 | 5318.8 |
| 27.5° | 5321.8 | 5309.5 | 5287.7 | 5256.7 | 5235.0 | 5213.3 | 5200.9 | 5182.2 | 5176.1 | 5157.4 | 5154.3 |
| 30°   | 5079.9 | 5064.3 | 5020.9 | 5008.5 | 4971.2 | 4949.5 | 4949.5 | 4924.7 | 4927.8 | 4915.4 | 4915.4 |
| 32.5° | 4698.2 | 4673.3 | 4639.2 | 4614.3 | 4589.5 | 4577.1 | 4577.1 | 4567.8 | 4574.0 | 4574.0 | 4580.2 |
| 35°   | 4192.3 | 4158.2 | 4139.6 | 4124.1 | 4124.1 | 4136.4 | 4173.7 | 4183.1 | 4201.7 | 4217.2 | 4229.6 |
| 37.5° | 3543.7 | 3540.7 | 3562.4 | 3581.0 | 3627.6 | 3680.3 | 3745.5 | 3801.4 | 3854.1 | 3891.3 | 3928.5 |
| 40°   | 2842.5 | 2920.1 | 2982.1 | 3069.0 | 3140.3 | 3242.8 | 3360.7 | 3456.9 | 3546.9 | 3612.1 | 3680.3 |
| 42.5° | 2218.7 | 2318.0 | 2448.4 | 2575.6 | 2702.8 | 2842.5 | 2997.7 | 3131.1 | 3249.0 | 3339.0 | 3410.3 |
| 45°   | 1728.4 | 1865.0 | 2023.3 | 2184.6 | 2349.1 | 2522.9 | 2684.2 | 2820.7 | 2944.9 | 3038.0 | 3109.4 |
| 47.5° | 1393.3 | 1542.3 | 1722.2 | 1899.1 | 2085.3 | 2268.4 | 2448.4 | 2566.3 | 2668.7 | 2743.1 | 2808.4 |
| 50°   | 1151.2 | 1309.5 | 1498.8 | 1700.5 | 1886.7 | 2069.8 | 2224.9 | 2339.7 | 2423.6 | 2488.7 | 2529.0 |
| 52.5° | 961.9  | 1129.5 | 1331.3 | 1532.9 | 1719.1 | 1886.7 | 2026.4 | 2113.2 | 2181.5 | 2228.0 | 2265.3 |
| 55°   | 794.4  | 955.8  | 1145.1 | 1334.4 | 1517.4 | 1675.7 | 1790.5 | 1855.7 | 1908.4 | 1936.3 | 1958.0 |
| 57.5° | 648.6  | 797.5  | 971.3  | 1145.1 | 1303.3 | 1433.7 | 1523.7 | 1588.8 | 1613.6 | 1635.4 | 1632.2 |
| 60°   | 508.9  | 648.6  | 806.8  | 955.8  | 1092.3 | 1197.8 | 1263.0 | 1300.2 | 1318.8 | 1328.1 | 1321.9 |
| 62.5° | 400.3  | 527.6  | 648.6  | 778.9  | 878.2  | 968.2  | 1030.3 | 1030.3 | 1039.5 | 1042.7 | 1052.0 |
| 65°   | 297.9  | 394.1  | 499.6  | 595.8  | 676.4  | 735.4  | 769.6  | 778.9  | 791.3  | 788.2  | 782.0  |
| 67.5° | 220.3  | 291.7  | 369.2  | 440.6  | 496.5  | 533.7  | 558.5  | 580.3  | 577.2  | 571.0  | 567.9  |
| 70°   | 152.1  | 198.6  | 266.9  | 310.3  | 350.6  | 387.9  | 394.1  | 397.2  | 400.3  | 403.4  | 397.2  |
| 72.5° | 105.5  | 139.6  | 176.9  | 214.1  | 238.9  | 254.4  | 270.0  | 273.0  | 273.0  | 273.0  | 270.0  |
| 75°   | 52.8   | 71.4   | 105.5  | 121.0  | 142.7  | 149.0  | 161.3  | 161.3  | 170.7  | 158.2  | 155.1  |
| 77.5° | 46.5   | 55.9   | 74.5   | 86.9   | 96.2   | 105.5  | 108.6  | 117.9  | 114.8  | 108.6  | 111.7  |
| 80°   | 27.9   | 34.2   | 46.5   | 52.8   | 65.1   | 68.3   | 71.4   | 74.5   | 71.4   | 74.5   | 74.5   |
| 82.5° | 21.7   | 24.8   | 31.1   | 31.1   | 40.3   | 40.3   | 43.4   | 43.4   | 46.5   | 46.5   | 46.5   |
| 85°   | 12.4   | 21.7   | 18.6   | 37.2   | 24.8   | 24.8   | 31.1   | 37.2   | 31.1   | 31.1   | 37.2   |
| 87.5° | 12.4   | 12.4   | 9.3    | 12.4   | 12.4   | 12.4   | 15.5   | 18.6   | 18.6   | 21.7   | 18.6   |
| 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: P249113

CATALOG NUMBER: LSR8B100D010 EC8B100840 8LBDW0H

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 5781.1 | 5781.1 | 5781.1 | 5781.1 |
| 2.5°  | 5790.5 | 5796.6 | 5787.4 | 5784.2 |
| 5°    | 5799.7 | 5799.7 | 5793.6 | 5793.6 |
| 7.5°  | 5799.7 | 5799.7 | 5790.5 | 5784.2 |
| 10°   | 5774.9 | 5774.9 | 5765.6 | 5759.4 |
| 12.5° | 5728.4 | 5728.4 | 5725.2 | 5716.0 |
| 15°   | 5669.4 | 5669.4 | 5657.0 | 5647.7 |
| 17.5° | 5588.7 | 5595.0 | 5579.5 | 5579.5 |
| 20°   | 5501.9 | 5498.8 | 5486.4 | 5480.1 |
| 22.5° | 5411.9 | 5405.7 | 5402.5 | 5383.9 |
| 25°   | 5315.7 | 5309.5 | 5300.1 | 5290.9 |
| 27.5° | 5151.2 | 5148.1 | 5138.8 | 5126.4 |
| 30°   | 4899.8 | 4896.7 | 4884.3 | 4884.3 |
| 32.5° | 4574.0 | 4570.9 | 4558.5 | 4561.6 |
| 35°   | 4235.8 | 4248.2 | 4242.0 | 4229.6 |
| 37.5° | 3953.4 | 3962.7 | 3968.9 | 3962.7 |
| 40°   | 3717.5 | 3745.5 | 3748.6 | 3754.8 |
| 42.5° | 3466.2 | 3503.4 | 3515.9 | 3522.0 |
| 45°   | 3165.2 | 3199.3 | 3227.3 | 3221.0 |
| 47.5° | 2858.0 | 2882.8 | 2907.6 | 2889.0 |
| 50°   | 2563.2 | 2578.7 | 2588.0 | 2588.0 |
| 52.5° | 2283.9 | 2283.9 | 2280.8 | 2283.9 |
| 55°   | 1964.3 | 1964.3 | 1951.9 | 1958.0 |
| 57.5° | 1629.1 | 1635.4 | 1626.0 | 1610.5 |
| 60°   | 1318.8 | 1303.3 | 1297.1 | 1287.8 |
| 62.5° | 1027.2 | 1027.2 | 1005.4 | 1033.3 |
| 65°   | 769.6  | 760.3  | 750.9  | 747.8  |
| 67.5° | 558.5  | 555.5  | 546.2  | 543.0  |
| 70°   | 394.1  | 381.7  | 378.6  | 372.4  |
| 72.5° | 263.8  | 263.8  | 257.6  | 257.6  |
| 75°   | 161.3  | 145.9  | 142.7  | 145.9  |
| 77.5° | 111.7  | 108.6  | 108.6  | 105.5  |
| 80°   | 74.5   | 71.4   | 77.6   | 68.3   |
| 82.5° | 46.5   | 49.7   | 46.5   | 49.7   |
| 85°   | 31.1   | 37.2   | 34.2   | 34.2   |
| 87.5° | 18.6   | 18.6   | 18.6   | 18.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)