

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: P250905

Luminaire Tested: **LSR8B70D010 EC8B70940 8LBSW0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250905  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-53)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B70D010 EC8B70940 8LBSW0LI  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
90 CRI 4000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7089.0 lumens  
Efficiency: N/A  
Efficacy: 93.4 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.2 / 1.11  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

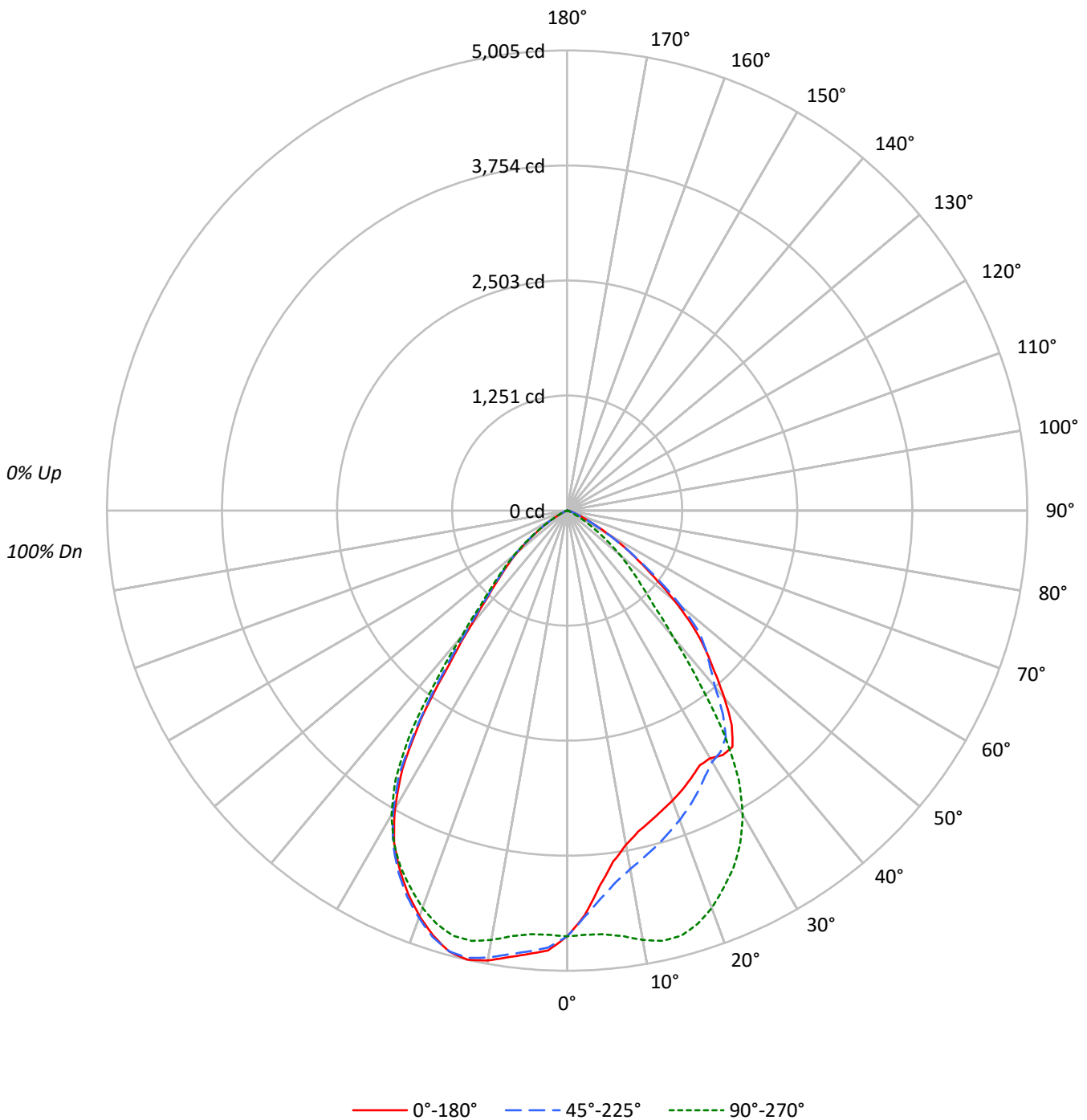
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 97  | 96  | 96  | 94  | 93  | 91  |    |    |    |    | 91  |   |  |   |
| 2   | 105 | 99  | 95  | 91  | 103 | 98  | 93  | 90  | 94  | 91  | 88  | 91  | 88  | 86  | 88  | 86  | 84  | 82  |    |    |    |    | 82  |   |  |   |
| 3   | 99  | 91  | 85  | 80  | 96  | 89  | 84  | 79  | 87  | 82  | 78  | 84  | 80  | 77  | 82  | 78  | 76  | 74  |    |    |    |    | 74  |   |  |   |
| 4   | 92  | 83  | 76  | 71  | 90  | 82  | 76  | 71  | 80  | 74  | 70  | 77  | 73  | 69  | 76  | 72  | 68  | 67  |    |    |    |    | 67  |   |  |   |
| 5   | 86  | 76  | 69  | 64  | 84  | 75  | 69  | 64  | 73  | 68  | 63  | 72  | 66  | 63  | 70  | 65  | 62  | 60  |    |    |    |    | 60  |   |  |   |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 57  | 65  | 60  | 56  | 55  |    |    |    |    | 55  |   |  |   |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 52  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 50  |    |    |    |    | 50  |   |  |   |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 53  | 48  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 47  | 46  |    |    |    |    | 46  |   |  |   |
| 9   | 67  | 56  | 49  | 44  | 66  | 55  | 49  | 44  | 54  | 48  | 44  | 53  | 48  | 44  | 52  | 47  | 44  | 42  |    |    |    |    | 42  |   |  |   |
| 10  | 63  | 52  | 45  | 41  | 62  | 52  | 45  | 41  | 51  | 45  | 41  | 50  | 44  | 40  | 49  | 44  | 40  | 39  |    |    |    |    | 39  |   |  |   |

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

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 142806 | 142806 | 142806 |
| 5°  | 126704 | 143163 | 149867 |
| 10° | 115519 | 148475 | 155564 |
| 15° | 111642 | 152814 | 158526 |
| 20° | 110046 | 150934 | 154048 |
| 25° | 108966 | 145729 | 146641 |
| 30° | 110740 | 136000 | 133486 |
| 35° | 118041 | 112545 | 104391 |
| 40° | 106975 | 72051  | 65244  |
| 45° | 92329  | 49296  | 45899  |
| 50° | 72851  | 35956  | 33854  |
| 55° | 50568  | 22112  | 20800  |
| 60° | 32193  | 11181  | 9979   |
| 65° | 16067  | 4436   | 3371   |
| 70° | 8890   | 2191   | 1208   |
| 75° | 6374   | 1597   | 584    |
| 80° | 5185   | 1083   | 213    |
| 85° | 5590   | 849    | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 431.6  | 6.1       |
| 10°-20°   | 1246.7 | 17.6      |
| 20°-30°   | 1809.5 | 25.5      |
| 30°-40°   | 1782.1 | 25.1      |
| 40°-50°   | 1117.1 | 15.8      |
| 50°-60°   | 539.1  | 7.6       |
| 60°-70°   | 130.5  | 1.8       |
| 70°-80°   | 26.4   | 0.4       |
| 80°-90°   | 6.1    | 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°    | 3487.8 | 49.2      |
| 0°-40°    | 5269.9 | 74.3      |
| 0°-60°    | 6926.1 | 97.7      |
| 0°-90°    | 7089.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 7089.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 4631 | 4631 | 4631 | 4631 | 4631 |      |
| 5°  | 4093 | 4232 | 4625 | 4812 | 4842 | 379  |
| 15° | 3497 | 3772 | 4787 | 4962 | 4966 | 989  |
| 25° | 3203 | 3369 | 4283 | 4342 | 4310 | 1482 |
| 35° | 3136 | 3008 | 2990 | 2819 | 2773 | 1897 |
| 45° | 2117 | 2132 | 1130 | 1083 | 1052 | 1619 |
| 55° | 941  | 971  | 411  | 406  | 387  | 865  |
| 65° | 220  | 218  | 61   | 52   | 46   | 251  |
| 75° | 54   | 46   | 13   | 6    | 5    | 60   |
| 85° | 16   | 12   | 2    | 0    | 0    | 16   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 |
| 2.5°  | 4402.3 | 4374.4 | 4322.0 | 4385.3 | 4385.3 | 4350.0 | 4420.6 | 4378.0 | 4412.1 | 4465.6 | 4418.2 |
| 5°    | 4093.3 | 4070.2 | 4026.4 | 4093.3 | 4101.8 | 4068.9 | 4154.1 | 4122.5 | 4172.4 | 4238.1 | 4232.0 |
| 7.5°  | 3848.7 | 3819.5 | 3779.3 | 3848.7 | 3862.1 | 3840.2 | 3921.7 | 3907.1 | 3972.8 | 4058.0 | 4072.6 |
| 10°   | 3689.3 | 3658.9 | 3623.6 | 3686.9 | 3696.6 | 3682.0 | 3764.7 | 3756.2 | 3820.7 | 3919.3 | 3958.2 |
| 12.5° | 3576.1 | 3550.6 | 3511.7 | 3578.6 | 3589.5 | 3568.8 | 3646.7 | 3643.1 | 3710.0 | 3813.4 | 3862.1 |
| 15°   | 3497.1 | 3466.6 | 3431.3 | 3488.5 | 3503.1 | 3480.0 | 3554.2 | 3546.9 | 3615.1 | 3717.3 | 3772.0 |
| 17.5° | 3422.8 | 3394.8 | 3358.3 | 3411.9 | 3426.5 | 3402.1 | 3475.2 | 3463.0 | 3521.4 | 3618.7 | 3674.7 |
| 20°   | 3353.5 | 3323.1 | 3290.2 | 3345.0 | 3353.5 | 3325.5 | 3398.5 | 3382.7 | 3435.0 | 3525.0 | 3579.8 |
| 22.5° | 3281.7 | 3250.0 | 3216.0 | 3269.5 | 3278.0 | 3250.0 | 3317.0 | 3298.7 | 3347.4 | 3428.9 | 3478.8 |
| 25°   | 3202.6 | 3173.4 | 3139.3 | 3189.2 | 3196.5 | 3166.1 | 3236.7 | 3213.5 | 3256.1 | 3327.9 | 3369.3 |
| 27.5° | 3123.5 | 3095.5 | 3057.8 | 3108.9 | 3112.5 | 3083.3 | 3147.8 | 3116.2 | 3151.5 | 3217.2 | 3252.5 |
| 30°   | 3110.1 | 3078.5 | 3039.5 | 3080.9 | 3082.1 | 3044.4 | 3105.2 | 3067.5 | 3087.0 | 3135.7 | 3156.4 |
| 32.5° | 3152.7 | 3121.1 | 3080.9 | 3115.0 | 3111.3 | 3070.0 | 3128.4 | 3082.1 | 3088.2 | 3113.8 | 3108.9 |
| 35°   | 3135.7 | 3097.9 | 3050.5 | 3087.0 | 3087.0 | 3037.1 | 3095.5 | 3040.8 | 3034.7 | 3038.3 | 3007.9 |
| 37.5° | 2942.2 | 2913.0 | 2868.0 | 2903.3 | 2899.6 | 2861.9 | 2906.9 | 2861.9 | 2841.2 | 2832.7 | 2777.9 |
| 40°   | 2657.5 | 2622.2 | 2588.1 | 2625.8 | 2629.5 | 2589.3 | 2647.7 | 2596.6 | 2590.5 | 2566.2 | 2501.7 |
| 42.5° | 2369.1 | 2356.9 | 2324.1 | 2355.7 | 2372.7 | 2338.7 | 2387.3 | 2363.0 | 2366.7 | 2360.6 | 2299.7 |
| 45°   | 2117.2 | 2096.5 | 2072.2 | 2108.7 | 2119.6 | 2102.6 | 2151.3 | 2136.7 | 2151.3 | 2181.7 | 2131.8 |
| 47.5° | 1845.9 | 1825.2 | 1798.4 | 1837.4 | 1856.8 | 1825.2 | 1866.6 | 1861.7 | 1883.6 | 1935.9 | 1931.0 |
| 50°   | 1518.6 | 1504.0 | 1499.1 | 1504.0 | 1516.1 | 1501.5 | 1530.7 | 1531.9 | 1546.5 | 1618.3 | 1623.2 |
| 52.5° | 1202.2 | 1198.5 | 1181.5 | 1197.3 | 1197.3 | 1174.2 | 1203.4 | 1190.0 | 1204.6 | 1253.3 | 1284.9 |
| 55°   | 940.6  | 936.9  | 926.0  | 940.6  | 924.8  | 916.2  | 924.8  | 911.4  | 900.4  | 938.1  | 971.0  |
| 57.5° | 732.5  | 720.3  | 707.0  | 713.0  | 711.8  | 693.6  | 703.3  | 687.5  | 679.0  | 692.4  | 721.6  |
| 60°   | 522.0  | 518.4  | 506.2  | 512.3  | 517.1  | 503.8  | 513.5  | 506.2  | 491.6  | 502.5  | 503.8  |
| 62.5° | 346.8  | 349.2  | 341.9  | 343.1  | 339.5  | 337.1  | 343.1  | 346.8  | 343.1  | 338.3  | 339.5  |
| 65°   | 220.2  | 219.0  | 217.8  | 219.0  | 221.5  | 216.6  | 220.2  | 222.7  | 219.0  | 219.0  | 217.8  |
| 67.5° | 146.0  | 142.4  | 138.7  | 141.1  | 143.6  | 139.9  | 143.6  | 142.4  | 143.6  | 142.4  | 138.7  |
| 70°   | 98.6   | 97.3   | 96.1   | 97.3   | 97.3   | 94.9   | 97.3   | 96.1   | 97.3   | 96.1   | 92.5   |
| 72.5° | 71.8   | 71.8   | 70.6   | 71.8   | 71.8   | 69.4   | 70.6   | 68.1   | 69.4   | 68.1   | 65.7   |
| 75°   | 53.5   | 53.5   | 52.3   | 53.5   | 52.3   | 51.1   | 52.3   | 51.1   | 48.7   | 48.7   | 46.2   |
| 77.5° | 38.9   | 38.9   | 38.9   | 38.9   | 38.9   | 37.7   | 37.7   | 36.5   | 35.3   | 34.1   | 34.1   |
| 80°   | 29.2   | 28.0   | 28.0   | 28.0   | 28.0   | 26.8   | 28.0   | 26.8   | 25.6   | 24.3   | 23.1   |
| 82.5° | 20.7   | 21.9   | 20.7   | 20.7   | 20.7   | 19.5   | 20.7   | 19.5   | 19.5   | 18.3   | 15.8   |
| 85°   | 15.8   | 15.8   | 15.8   | 15.8   | 15.8   | 14.6   | 14.6   | 14.6   | 13.4   | 13.4   | 12.2   |
| 87.5° | 8.5    | 8.5    | 8.5    | 9.7    | 8.5    | 8.5    | 8.5    | 7.3    | 7.3    | 6.1    | 6.1    |
| 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):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 |
| 2.5°  | 4481.4 | 4487.5 | 4474.1 | 4494.8 | 4575.1 | 4510.6 | 4537.4 | 4545.9 | 4606.8 | 4617.7 | 4610.4 |
| 5°    | 4311.1 | 4337.9 | 4354.9 | 4401.1 | 4490.0 | 4443.7 | 4491.2 | 4521.6 | 4599.5 | 4625.0 | 4631.1 |
| 7.5°  | 4177.2 | 4233.2 | 4274.6 | 4350.0 | 4454.7 | 4419.4 | 4491.2 | 4541.1 | 4636.0 | 4668.8 | 4684.6 |
| 10°   | 4077.5 | 4162.6 | 4234.4 | 4337.9 | 4455.9 | 4432.8 | 4526.5 | 4597.0 | 4702.9 | 4741.8 | 4761.3 |
| 12.5° | 4002.0 | 4105.4 | 4201.6 | 4333.0 | 4460.7 | 4449.8 | 4563.0 | 4643.3 | 4755.2 | 4794.1 | 4817.3 |
| 15°   | 3919.3 | 4038.5 | 4150.5 | 4297.7 | 4435.2 | 4432.8 | 4554.4 | 4639.6 | 4754.0 | 4786.8 | 4808.8 |
| 17.5° | 3820.7 | 3948.5 | 4071.4 | 4230.8 | 4367.1 | 4369.5 | 4492.4 | 4576.3 | 4688.3 | 4715.1 | 4729.7 |
| 20°   | 3720.9 | 3847.5 | 3970.4 | 4134.6 | 4268.5 | 4272.1 | 4392.6 | 4470.5 | 4577.6 | 4599.5 | 4603.1 |
| 22.5° | 3615.1 | 3733.1 | 3856.0 | 4019.1 | 4148.0 | 4150.5 | 4269.7 | 4342.7 | 4434.0 | 4444.9 | 4454.7 |
| 25°   | 3494.6 | 3610.2 | 3725.8 | 3887.6 | 4010.5 | 4017.8 | 4126.1 | 4190.6 | 4274.6 | 4283.1 | 4286.7 |
| 27.5° | 3369.3 | 3464.2 | 3574.9 | 3713.6 | 3837.8 | 3832.9 | 3935.1 | 4008.1 | 4083.5 | 4078.7 | 4077.5 |
| 30°   | 3242.7 | 3321.8 | 3390.0 | 3523.8 | 3615.1 | 3618.7 | 3714.9 | 3750.1 | 3829.2 | 3819.5 | 3818.3 |
| 32.5° | 3153.9 | 3174.6 | 3192.9 | 3261.0 | 3347.4 | 3317.0 | 3382.7 | 3426.5 | 3481.2 | 3477.6 | 3478.8 |
| 35°   | 2990.9 | 2953.1 | 2898.4 | 2908.1 | 2960.4 | 2913.0 | 2948.3 | 2947.1 | 3003.0 | 2989.7 | 3005.5 |
| 37.5° | 2712.2 | 2605.1 | 2483.5 | 2414.1 | 2423.8 | 2364.2 | 2352.1 | 2381.3 | 2400.7 | 2363.0 | 2376.4 |
| 40°   | 2415.3 | 2257.1 | 2067.3 | 1909.1 | 1900.6 | 1826.4 | 1813.0 | 1783.8 | 1821.5 | 1789.9 | 1799.6 |
| 42.5° | 2196.3 | 1987.0 | 1737.6 | 1545.3 | 1504.0 | 1441.9 | 1405.4 | 1400.5 | 1411.5 | 1389.6 | 1383.5 |
| 45°   | 2028.4 | 1805.7 | 1519.8 | 1299.5 | 1253.3 | 1186.4 | 1149.9 | 1136.5 | 1137.7 | 1130.4 | 1124.3 |
| 47.5° | 1831.3 | 1607.4 | 1317.8 | 1092.7 | 1040.4 | 977.1  | 940.6  | 932.1  | 936.9  | 927.2  | 919.9  |
| 50°   | 1558.7 | 1357.9 | 1093.9 | 888.3  | 842.0  | 795.8  | 766.6  | 758.1  | 756.8  | 749.5  | 744.7  |
| 52.5° | 1265.5 | 1098.8 | 870.0  | 698.4  | 657.1  | 612.0  | 591.4  | 580.4  | 581.6  | 574.3  | 567.0  |
| 55°   | 979.5  | 876.1  | 674.1  | 528.1  | 490.4  | 455.1  | 435.6  | 422.2  | 418.6  | 411.3  | 407.6  |
| 57.5° | 728.9  | 659.5  | 505.0  | 380.9  | 359.0  | 324.9  | 305.4  | 289.6  | 287.2  | 283.5  | 282.3  |
| 60°   | 511.1  | 461.2  | 355.3  | 271.3  | 245.8  | 225.1  | 205.6  | 189.8  | 182.5  | 181.3  | 177.7  |
| 62.5° | 331.0  | 300.5  | 233.6  | 181.3  | 161.8  | 147.2  | 127.8  | 116.8  | 111.9  | 107.1  | 108.3  |
| 65°   | 205.6  | 182.5  | 146.0  | 116.8  | 105.9  | 94.9   | 80.3   | 70.6   | 65.7   | 60.8   | 62.1   |
| 67.5° | 127.8  | 114.4  | 92.5   | 75.4   | 68.1   | 59.6   | 48.7   | 41.4   | 37.7   | 34.1   | 31.6   |
| 70°   | 86.4   | 74.2   | 63.3   | 53.5   | 48.7   | 42.6   | 35.3   | 29.2   | 26.8   | 24.3   | 21.9   |
| 72.5° | 60.8   | 54.8   | 46.2   | 40.2   | 36.5   | 31.6   | 26.8   | 23.1   | 20.7   | 18.3   | 15.8   |
| 75°   | 43.8   | 38.9   | 34.1   | 29.2   | 26.8   | 24.3   | 20.7   | 18.3   | 15.8   | 13.4   | 11.0   |
| 77.5° | 31.6   | 28.0   | 24.3   | 21.9   | 20.7   | 17.0   | 14.6   | 13.4   | 12.2   | 9.7    | 7.3    |
| 80°   | 21.9   | 19.5   | 15.8   | 14.6   | 14.6   | 12.2   | 11.0   | 9.7    | 8.5    | 6.1    | 4.9    |
| 82.5° | 14.6   | 13.4   | 12.2   | 11.0   | 9.7    | 8.5    | 8.5    | 6.1    | 4.9    | 3.7    | 2.4    |
| 85°   | 11.0   | 9.7    | 8.5    | 7.3    | 7.3    | 6.1    | 4.9    | 3.7    | 3.7    | 2.4    | 1.2    |
| 87.5° | 6.1    | 6.1    | 4.9    | 3.7    | 3.7    | 2.4    | 2.4    | 1.2    | 1.2    | 1.2    | 1.2    |
| 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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CATALOG NUMBER: LSR8B70D010 EC8B70940 8LBSWOLI

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 |
| 2.5°  | 4672.5 | 4676.1 | 4696.8 | 4681.0 | 4721.1 | 4750.3 | 4735.7 | 4768.6 | 4757.6 | 4755.2 | 4792.9 |
| 5°    | 4704.1 | 4712.6 | 4740.6 | 4726.0 | 4769.8 | 4801.5 | 4786.8 | 4823.4 | 4812.4 | 4810.0 | 4848.9 |
| 7.5°  | 4764.9 | 4773.5 | 4797.8 | 4785.6 | 4831.9 | 4859.9 | 4841.6 | 4881.8 | 4867.2 | 4865.9 | 4903.7 |
| 10°   | 4841.6 | 4853.8 | 4874.5 | 4862.3 | 4904.9 | 4929.2 | 4911.0 | 4949.9 | 4936.5 | 4930.4 | 4971.8 |
| 12.5° | 4898.8 | 4907.3 | 4928.0 | 4918.3 | 4959.6 | 4977.9 | 4962.1 | 4999.8 | 4982.8 | 4977.9 | 5014.4 |
| 15°   | 4885.4 | 4893.9 | 4911.0 | 4902.4 | 4941.4 | 4958.4 | 4937.7 | 4979.1 | 4962.1 | 4952.3 | 4985.2 |
| 17.5° | 4800.2 | 4805.1 | 4817.3 | 4808.8 | 4850.1 | 4861.1 | 4838.0 | 4879.3 | 4863.5 | 4846.5 | 4878.1 |
| 20°   | 4674.9 | 4672.5 | 4679.8 | 4676.1 | 4710.2 | 4716.3 | 4701.7 | 4732.1 | 4713.8 | 4704.1 | 4722.4 |
| 22.5° | 4519.2 | 4516.7 | 4521.6 | 4511.9 | 4545.9 | 4549.6 | 4527.7 | 4564.2 | 4545.9 | 4527.7 | 4558.1 |
| 25°   | 4346.4 | 4333.0 | 4330.6 | 4334.2 | 4357.3 | 4361.0 | 4337.9 | 4364.6 | 4341.5 | 4326.9 | 4356.1 |
| 27.5° | 4133.4 | 4116.4 | 4112.7 | 4116.4 | 4139.5 | 4122.5 | 4103.0 | 4122.5 | 4099.4 | 4086.0 | 4104.2 |
| 30°   | 3870.6 | 3846.3 | 3835.3 | 3828.0 | 3852.4 | 3846.3 | 3801.2 | 3823.2 | 3786.6 | 3767.2 | 3780.6 |
| 32.5° | 3516.5 | 3503.1 | 3473.9 | 3456.9 | 3480.0 | 3433.8 | 3405.8 | 3405.8 | 3391.2 | 3358.3 | 3365.6 |
| 35°   | 3024.9 | 3004.3 | 2977.5 | 2962.9 | 2966.5 | 2904.5 | 2858.2 | 2868.0 | 2819.3 | 2810.8 | 2814.4 |
| 37.5° | 2403.2 | 2369.1 | 2359.4 | 2328.9 | 2336.2 | 2281.5 | 2218.2 | 2219.4 | 2193.9 | 2167.1 | 2158.6 |
| 40°   | 1805.7 | 1799.6 | 1789.9 | 1764.3 | 1774.1 | 1714.5 | 1690.1 | 1691.3 | 1674.3 | 1654.8 | 1664.6 |
| 42.5° | 1395.7 | 1376.2 | 1370.1 | 1361.6 | 1364.0 | 1354.3 | 1322.6 | 1326.3 | 1311.7 | 1306.8 | 1302.0 |
| 45°   | 1134.0 | 1113.4 | 1098.8 | 1106.1 | 1106.1 | 1095.1 | 1082.9 | 1090.2 | 1082.9 | 1073.2 | 1078.1 |
| 47.5° | 934.5  | 915.0  | 907.7  | 906.5  | 915.0  | 907.7  | 895.6  | 898.0  | 896.8  | 893.1  | 890.7  |
| 50°   | 745.9  | 741.0  | 734.9  | 731.3  | 734.9  | 732.5  | 721.6  | 727.6  | 731.3  | 719.1  | 722.8  |
| 52.5° | 568.2  | 568.2  | 567.0  | 558.5  | 565.8  | 558.5  | 557.3  | 559.7  | 556.1  | 551.2  | 550.0  |
| 55°   | 416.1  | 412.5  | 406.4  | 405.2  | 407.6  | 405.2  | 402.8  | 404.0  | 406.4  | 394.2  | 394.2  |
| 57.5° | 284.7  | 282.3  | 278.6  | 278.6  | 283.5  | 277.4  | 273.8  | 278.6  | 273.8  | 268.9  | 268.9  |
| 60°   | 182.5  | 181.3  | 177.7  | 177.7  | 177.7  | 176.4  | 172.8  | 174.0  | 176.4  | 169.1  | 170.4  |
| 62.5° | 109.5  | 105.9  | 104.6  | 103.4  | 104.6  | 103.4  | 103.4  | 102.2  | 101.0  | 101.0  | 97.3   |
| 65°   | 59.6   | 57.2   | 54.8   | 56.0   | 56.0   | 54.8   | 54.8   | 54.8   | 52.3   | 51.1   | 49.9   |
| 67.5° | 30.4   | 28.0   | 28.0   | 26.8   | 26.8   | 26.8   | 26.8   | 25.6   | 25.6   | 25.6   | 24.3   |
| 70°   | 19.5   | 18.3   | 17.0   | 17.0   | 17.0   | 15.8   | 15.8   | 15.8   | 15.8   | 15.8   | 14.6   |
| 72.5° | 13.4   | 12.2   | 11.0   | 11.0   | 11.0   | 9.7    | 9.7    | 9.7    | 9.7    | 8.5    | 8.5    |
| 75°   | 9.7    | 8.5    | 7.3    | 7.3    | 7.3    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    |
| 77.5° | 6.1    | 4.9    | 4.9    | 4.9    | 4.9    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 2.4    |
| 80°   | 3.7    | 3.7    | 2.4    | 2.4    | 2.4    | 2.4    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 82.5° | 2.4    | 2.4    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 0.0    |
| 85°   | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 1.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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: P250905

CATALOG NUMBER: LSR8B70D010 EC8B70940 8LBSW0LI

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 |
| 2.5°  | 4779.5 | 4769.8 | 4775.9 | 4820.9 | 4801.5 | 4795.4 | 4744.3 | 4789.3 |
| 5°    | 4836.7 | 4829.4 | 4829.4 | 4880.5 | 4857.4 | 4852.6 | 4802.7 | 4841.6 |
| 7.5°  | 4890.3 | 4883.0 | 4884.2 | 4936.5 | 4918.3 | 4911.0 | 4861.1 | 4900.0 |
| 10°   | 4959.6 | 4954.8 | 4956.0 | 5005.9 | 4986.4 | 4979.1 | 4928.0 | 4968.2 |
| 12.5° | 5001.0 | 4993.7 | 4993.7 | 5047.2 | 5025.3 | 5014.4 | 4965.7 | 5004.7 |
| 15°   | 4969.4 | 4958.4 | 4958.4 | 5012.0 | 4987.6 | 4971.8 | 4929.2 | 4965.7 |
| 17.5° | 4861.1 | 4850.1 | 4850.1 | 4896.4 | 4878.1 | 4855.0 | 4811.2 | 4845.3 |
| 20°   | 4710.2 | 4696.8 | 4693.2 | 4746.7 | 4721.1 | 4700.5 | 4661.5 | 4694.4 |
| 22.5° | 4539.8 | 4533.8 | 4522.8 | 4576.3 | 4553.2 | 4531.3 | 4490.0 | 4515.5 |
| 25°   | 4335.4 | 4325.7 | 4314.7 | 4367.1 | 4343.9 | 4322.0 | 4289.2 | 4309.9 |
| 27.5° | 4081.1 | 4082.3 | 4076.2 | 4117.6 | 4094.5 | 4082.3 | 4042.2 | 4076.2 |
| 30°   | 3773.3 | 3759.9 | 3755.0 | 3803.7 | 3781.8 | 3766.0 | 3716.1 | 3748.9 |
| 32.5° | 3371.7 | 3352.3 | 3326.7 | 3381.5 | 3343.7 | 3330.4 | 3287.8 | 3335.2 |
| 35°   | 2787.7 | 2781.6 | 2758.5 | 2804.7 | 2784.0 | 2759.7 | 2732.9 | 2773.1 |
| 37.5° | 2154.9 | 2159.8 | 2157.4 | 2169.5 | 2157.4 | 2141.5 | 2112.3 | 2097.7 |
| 40°   | 1645.1 | 1632.9 | 1623.2 | 1645.1 | 1619.5 | 1619.5 | 1602.5 | 1620.8 |
| 42.5° | 1289.8 | 1284.9 | 1297.1 | 1302.0 | 1287.4 | 1284.9 | 1282.5 | 1281.3 |
| 45°   | 1064.7 | 1064.7 | 1067.1 | 1072.0 | 1067.1 | 1064.7 | 1057.4 | 1052.5 |
| 47.5° | 877.3  | 882.2  | 877.3  | 893.1  | 884.6  | 882.2  | 867.6  | 873.7  |
| 50°   | 710.6  | 704.5  | 710.6  | 715.5  | 716.7  | 709.4  | 702.1  | 705.7  |
| 52.5° | 551.2  | 541.5  | 539.0  | 546.3  | 541.5  | 541.5  | 536.6  | 535.4  |
| 55°   | 388.2  | 391.8  | 385.7  | 391.8  | 389.4  | 385.7  | 382.1  | 386.9  |
| 57.5° | 262.8  | 264.0  | 261.6  | 265.3  | 259.2  | 260.4  | 259.2  | 258.0  |
| 60°   | 170.4  | 165.5  | 165.5  | 169.1  | 163.0  | 163.0  | 161.8  | 161.8  |
| 62.5° | 97.3   | 96.1   | 96.1   | 94.9   | 93.7   | 93.7   | 93.7   | 91.3   |
| 65°   | 49.9   | 48.7   | 47.5   | 47.5   | 47.5   | 47.5   | 46.2   | 46.2   |
| 67.5° | 24.3   | 23.1   | 23.1   | 24.3   | 23.1   | 23.1   | 23.1   | 23.1   |
| 70°   | 14.6   | 14.6   | 13.4   | 14.6   | 13.4   | 13.4   | 13.4   | 13.4   |
| 72.5° | 8.5    | 8.5    | 8.5    | 8.5    | 8.5    | 8.5    | 8.5    | 8.5    |
| 75°   | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    |
| 77.5° | 3.7    | 2.4    | 2.4    | 2.4    | 2.4    | 2.4    | 2.4    | 2.4    |
| 80°   | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)