

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: P249780

Luminaire Tested: **LSR8B120D010 EC8B120930 8LBSWOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249780  
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: LSR8B120D010 EC8B120930 8LBSW0LI  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10763.9 lumens  
Efficiency: N/A  
Efficacy: 91.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.15  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

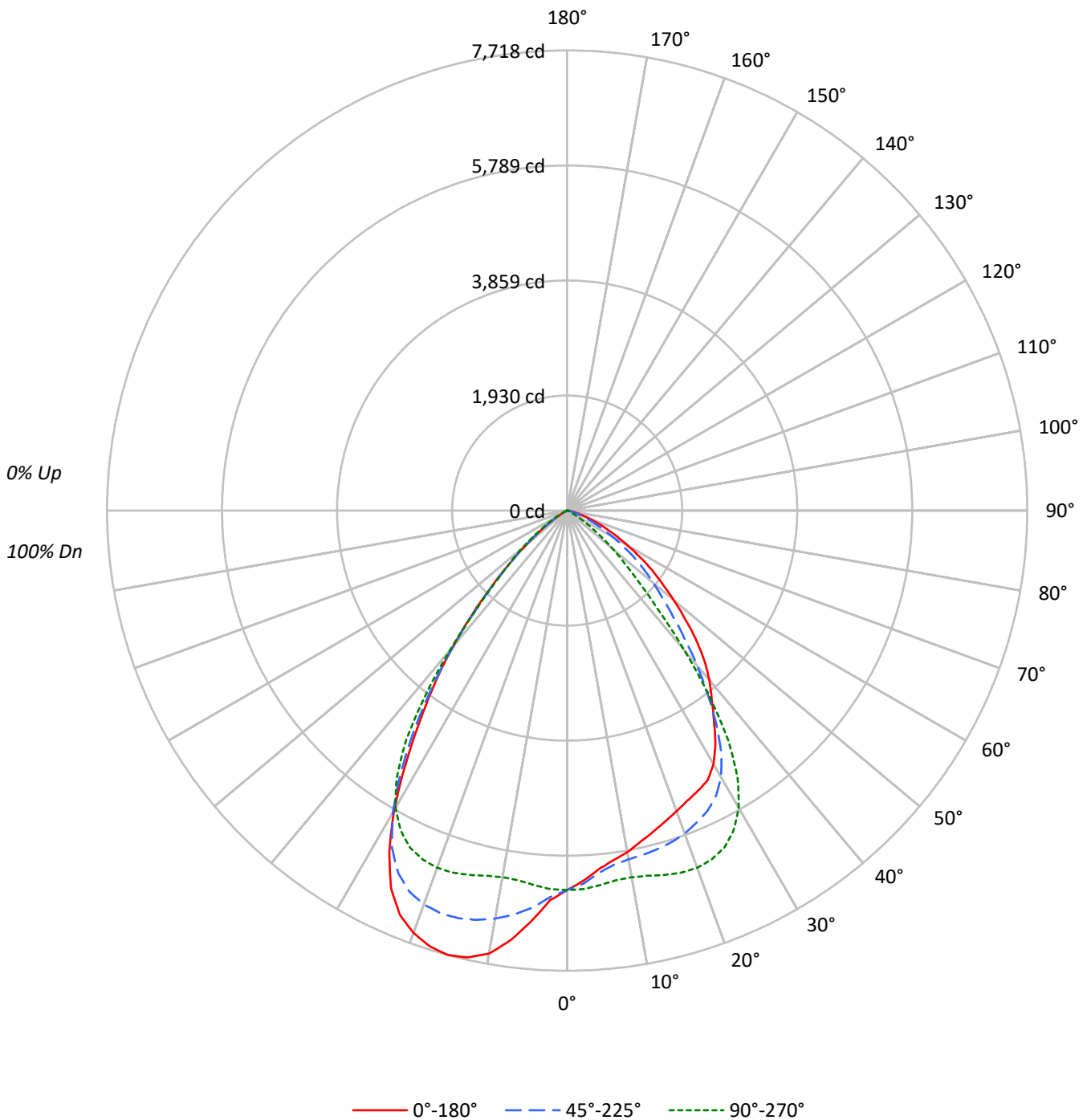
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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  | 0   |  |  |  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |  |  |  |
| 1   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98  | 99  | 97  | 96  | 95  | 94  | 93  | 91  | 91  | 91  | 91  |  |  |  |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  | 91  | 88  | 85  | 88  | 86  | 83  | 82  | 82  | 82  | 82  |  |  |  |
| 3   | 98  | 90  | 84  | 80  | 96  | 89  | 83  | 79  | 86  | 82  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 73  | 73  | 73  | 73  |  |  |  |
| 4   | 92  | 83  | 76  | 71  | 90  | 81  | 75  | 70  | 79  | 74  | 70  | 77  | 72  | 69  | 75  | 71  | 68  | 66  | 66  | 66  | 66  |  |  |  |
| 5   | 86  | 76  | 69  | 64  | 84  | 75  | 68  | 63  | 73  | 67  | 63  | 71  | 66  | 62  | 69  | 65  | 61  | 60  | 60  | 60  | 60  |  |  |  |
| 6   | 80  | 70  | 63  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 57  | 66  | 60  | 56  | 64  | 60  | 56  | 54  | 54  | 54  | 54  |  |  |  |
| 7   | 75  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 60  | 55  | 51  | 49  | 49  | 49  | 49  |  |  |  |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 52  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  | 45  | 45  | 45  |  |  |  |
| 9   | 67  | 55  | 48  | 44  | 66  | 55  | 48  | 44  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 42  | 42  | 42  | 42  |  |  |  |
| 10  | 63  | 52  | 45  | 40  | 62  | 51  | 45  | 40  | 50  | 44  | 40  | 49  | 44  | 40  | 49  | 43  | 40  | 38  | 38  | 38  | 38  |  |  |  |

**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°    | 611.9   | 5.7       |
| 10°-20°   | 1831.2  | 17.0      |
| 20°-30°   | 2804.3  | 26.1      |
| 30°-40°   | 2749.2  | 25.5      |
| 40°-50°   | 1655.6  | 15.4      |
| 50°-60°   | 762.0   | 7.1       |
| 60°-70°   | 267.7   | 2.5       |
| 70°-80°   | 70.0    | 0.7       |
| 80°-90°   | 11.9    | 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°    | 5247.4  | 48.8      |
| 0°-40°    | 7996.6  | 74.3      |
| 0°-60°    | 10414.2 | 96.8      |
| 0°-90°    | 10763.9 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 10763.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 6365 | 6365 | 6365 | 6365 | 6365 |      |
| 5°  | 6040 | 6097 | 6305 | 6683 | 6912 | 571  |
| 15° | 5576 | 5877 | 6326 | 7076 | 7718 | 1576 |
| 25° | 5187 | 5562 | 6237 | 6707 | 6986 | 2389 |
| 35° | 4292 | 4351 | 4711 | 4440 | 4298 | 2688 |
| 45° | 3048 | 2510 | 1701 | 1713 | 1758 | 2338 |
| 55° | 1731 | 1371 | 488  | 384  | 369  | 1544 |
| 65° | 735  | 508  | 77   | 39   | 42   | 748  |
| 75° | 190  | 110  | 6    | 0    | 0    | 231  |
| 85° | 30   | 15   | 3    | 0    | 0    | 41   |
| 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°    | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 |
| 2.5°  | 6215.9 | 6221.9 | 6221.9 | 6221.9 | 6233.8 | 6236.9 | 6233.8 | 6236.9 | 6242.7 | 6263.6 | 6272.6 |
| 5°    | 6040.5 | 6031.5 | 6037.6 | 6034.6 | 6049.5 | 6058.4 | 6052.4 | 6061.4 | 6082.1 | 6097.1 | 6111.9 |
| 7.5°  | 5915.6 | 5915.6 | 5915.6 | 5921.6 | 5930.4 | 5948.4 | 5945.4 | 5951.3 | 5972.1 | 5992.9 | 6013.7 |
| 10°   | 5817.4 | 5814.5 | 5814.5 | 5829.3 | 5841.2 | 5862.0 | 5868.0 | 5885.9 | 5912.6 | 5939.4 | 5963.2 |
| 12.5° | 5689.5 | 5692.6 | 5707.5 | 5722.4 | 5749.0 | 5781.7 | 5799.6 | 5823.5 | 5865.1 | 5909.7 | 5936.5 |
| 15°   | 5576.5 | 5579.4 | 5591.4 | 5621.1 | 5653.9 | 5692.6 | 5731.1 | 5769.9 | 5820.5 | 5877.0 | 5924.6 |
| 17.5° | 5466.4 | 5469.5 | 5478.3 | 5511.2 | 5552.8 | 5603.3 | 5647.9 | 5698.5 | 5764.0 | 5829.3 | 5888.8 |
| 20°   | 5365.3 | 5362.4 | 5377.2 | 5407.0 | 5460.6 | 5508.1 | 5552.8 | 5612.3 | 5683.7 | 5764.0 | 5832.2 |
| 22.5° | 5267.2 | 5267.2 | 5282.2 | 5311.9 | 5359.5 | 5407.0 | 5454.7 | 5517.0 | 5588.4 | 5665.8 | 5746.1 |
| 25°   | 5186.9 | 5184.0 | 5204.8 | 5219.7 | 5255.4 | 5302.9 | 5353.4 | 5404.1 | 5475.4 | 5561.7 | 5639.0 |
| 27.5° | 5100.7 | 5097.7 | 5100.7 | 5118.6 | 5151.2 | 5186.9 | 5225.5 | 5270.3 | 5329.8 | 5401.1 | 5475.4 |
| 30°   | 4910.3 | 4913.2 | 4913.2 | 4928.3 | 4946.1 | 4984.6 | 5005.5 | 5050.1 | 5103.7 | 5163.1 | 5228.7 |
| 32.5° | 4627.8 | 4630.7 | 4630.7 | 4636.8 | 4651.6 | 4669.4 | 4687.3 | 4720.0 | 4761.6 | 4812.1 | 4871.6 |
| 35°   | 4291.7 | 4291.7 | 4288.7 | 4291.7 | 4300.7 | 4300.7 | 4315.5 | 4300.7 | 4321.5 | 4351.3 | 4395.8 |
| 37.5° | 3982.5 | 3976.4 | 3970.6 | 3964.5 | 3955.6 | 3940.8 | 3920.0 | 3884.3 | 3875.3 | 3863.4 | 3866.3 |
| 40°   | 3708.8 | 3705.9 | 3688.0 | 3673.1 | 3643.4 | 3607.7 | 3557.2 | 3494.7 | 3444.2 | 3384.6 | 3334.1 |
| 42.5° | 3405.5 | 3402.3 | 3387.5 | 3360.8 | 3328.1 | 3274.6 | 3194.3 | 3111.0 | 3009.9 | 2920.7 | 2828.5 |
| 45°   | 3048.4 | 3057.4 | 3036.6 | 3006.9 | 2968.2 | 2917.6 | 2828.5 | 2727.3 | 2626.2 | 2510.3 | 2394.1 |
| 47.5° | 2676.7 | 2673.7 | 2658.9 | 2641.1 | 2608.3 | 2557.8 | 2498.4 | 2388.3 | 2281.1 | 2174.2 | 2055.1 |
| 50°   | 2331.7 | 2319.8 | 2313.9 | 2296.1 | 2275.3 | 2233.7 | 2171.2 | 2081.8 | 1986.7 | 1885.6 | 1775.6 |
| 52.5° | 2004.6 | 2004.6 | 1989.7 | 1977.8 | 1960.0 | 1927.2 | 1873.8 | 1802.3 | 1722.1 | 1626.8 | 1510.9 |
| 55°   | 1731.0 | 1725.0 | 1710.2 | 1695.3 | 1677.4 | 1656.6 | 1609.1 | 1549.6 | 1463.2 | 1371.1 | 1270.0 |
| 57.5° | 1439.5 | 1436.4 | 1430.6 | 1412.7 | 1403.8 | 1383.0 | 1329.5 | 1270.0 | 1195.7 | 1115.4 | 1032.0 |
| 60°   | 1177.8 | 1166.0 | 1154.0 | 1142.1 | 1127.3 | 1106.4 | 1070.7 | 1020.1 | 957.7  | 886.3  | 803.1  |
| 62.5° | 942.9  | 960.6  | 925.0  | 925.0  | 895.2  | 877.4  | 844.7  | 815.0  | 749.5  | 684.0  | 612.7  |
| 65°   | 734.6  | 734.6  | 719.7  | 707.8  | 690.0  | 669.1  | 636.5  | 606.7  | 559.0  | 508.5  | 457.9  |
| 67.5° | 562.2  | 559.0  | 544.2  | 532.4  | 517.5  | 505.6  | 481.8  | 446.0  | 410.5  | 368.8  | 327.1  |
| 70°   | 413.4  | 410.5  | 407.4  | 386.6  | 374.8  | 360.0  | 342.0  | 318.3  | 291.5  | 261.8  | 223.1  |
| 72.5° | 297.4  | 297.4  | 288.5  | 279.6  | 267.7  | 255.7  | 238.0  | 223.1  | 199.3  | 178.5  | 151.7  |
| 75°   | 190.3  | 187.4  | 187.4  | 172.5  | 172.5  | 154.6  | 142.7  | 133.8  | 122.0  | 110.1  | 86.3   |
| 77.5° | 136.9  | 133.8  | 130.8  | 124.9  | 118.9  | 113.0  | 104.0  | 92.1   | 83.3   | 71.4   | 62.4   |
| 80°   | 92.1   | 86.3   | 83.3   | 83.3   | 74.3   | 71.4   | 74.3   | 56.6   | 53.5   | 44.6   | 38.7   |
| 82.5° | 56.6   | 56.6   | 53.5   | 53.5   | 50.6   | 47.6   | 38.7   | 38.7   | 35.8   | 32.7   | 26.8   |
| 85°   | 29.7   | 38.7   | 26.8   | 29.7   | 26.8   | 29.7   | 26.8   | 20.9   | 17.8   | 14.8   | 14.8   |
| 87.5° | 17.8   | 11.9   | 11.9   | 17.8   | 14.8   | 11.9   | 11.9   | 11.9   | 9.0    | 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 |
| 2.5°  | 6266.6 | 6287.5 | 6284.3 | 6311.2 | 6320.1 | 6340.9 | 6340.9 | 6355.7 | 6364.7 | 6385.4 | 6403.4 |
| 5°    | 6117.9 | 6150.6 | 6159.6 | 6192.2 | 6219.0 | 6251.7 | 6272.6 | 6305.2 | 6334.9 | 6379.6 | 6421.2 |
| 7.5°  | 6025.7 | 6052.4 | 6070.2 | 6109.0 | 6138.7 | 6174.4 | 6210.1 | 6254.6 | 6296.2 | 6349.9 | 6409.3 |
| 10°   | 5981.0 | 6016.7 | 6043.4 | 6082.1 | 6117.9 | 6156.5 | 6192.2 | 6242.7 | 6290.4 | 6358.8 | 6424.2 |
| 12.5° | 5969.1 | 6010.8 | 6043.4 | 6097.1 | 6132.7 | 6174.4 | 6215.9 | 6272.6 | 6323.1 | 6394.4 | 6468.8 |
| 15°   | 5969.1 | 6025.7 | 6070.2 | 6129.7 | 6171.3 | 6224.9 | 6269.5 | 6326.0 | 6382.5 | 6456.8 | 6528.3 |
| 17.5° | 5957.2 | 6025.7 | 6082.1 | 6150.6 | 6204.1 | 6257.6 | 6314.1 | 6367.7 | 6427.1 | 6498.7 | 6578.8 |
| 20°   | 5909.7 | 5996.0 | 6064.3 | 6144.5 | 6201.1 | 6260.7 | 6317.2 | 6376.6 | 6439.1 | 6513.5 | 6581.8 |
| 22.5° | 5826.4 | 5927.5 | 6004.9 | 6091.1 | 6156.5 | 6215.9 | 6272.6 | 6332.0 | 6400.5 | 6471.8 | 6543.2 |
| 25°   | 5716.3 | 5811.5 | 5894.9 | 5984.0 | 6049.5 | 6114.8 | 6168.4 | 6236.9 | 6299.3 | 6367.7 | 6424.2 |
| 27.5° | 5549.7 | 5650.8 | 5731.1 | 5823.5 | 5882.9 | 5945.4 | 5990.0 | 6046.6 | 6106.0 | 6162.5 | 6207.1 |
| 30°   | 5300.0 | 5392.2 | 5475.4 | 5558.7 | 5618.2 | 5662.8 | 5710.4 | 5755.0 | 5793.8 | 5832.2 | 5871.0 |
| 32.5° | 4934.1 | 5017.5 | 5097.7 | 5175.0 | 5222.6 | 5261.3 | 5296.9 | 5323.7 | 5344.6 | 5365.3 | 5368.4 |
| 35°   | 4431.5 | 4499.9 | 4550.5 | 4618.9 | 4663.6 | 4699.1 | 4699.1 | 4711.0 | 4708.1 | 4699.1 | 4690.3 |
| 37.5° | 3869.5 | 3896.1 | 3916.9 | 3943.7 | 3946.7 | 3946.7 | 3928.9 | 3914.0 | 3890.2 | 3884.3 | 3866.3 |
| 40°   | 3283.5 | 3247.8 | 3221.0 | 3185.3 | 3164.6 | 3119.9 | 3081.3 | 3054.5 | 3015.8 | 3009.9 | 3003.9 |
| 42.5° | 2727.3 | 2644.0 | 2569.7 | 2507.2 | 2435.9 | 2373.4 | 2316.9 | 2275.3 | 2245.5 | 2242.4 | 2245.5 |
| 45°   | 2275.3 | 2180.0 | 2069.9 | 1983.8 | 1903.5 | 1826.1 | 1751.8 | 1701.2 | 1674.4 | 1668.5 | 1674.4 |
| 47.5° | 1933.3 | 1823.2 | 1716.0 | 1617.9 | 1531.7 | 1445.4 | 1371.1 | 1302.7 | 1270.0 | 1261.0 | 1258.1 |
| 50°   | 1662.6 | 1549.6 | 1436.4 | 1335.3 | 1240.3 | 1154.0 | 1061.7 | 996.3  | 954.8  | 939.8  | 928.0  |
| 52.5° | 1397.9 | 1296.8 | 1180.7 | 1076.7 | 981.4  | 880.3  | 785.1  | 710.7  | 669.1  | 651.4  | 639.4  |
| 55°   | 1166.0 | 1064.8 | 957.7  | 856.6  | 755.4  | 654.3  | 559.0  | 487.7  | 443.1  | 422.4  | 407.4  |
| 57.5° | 930.9  | 835.7  | 743.6  | 642.4  | 559.0  | 461.1  | 365.8  | 303.3  | 264.7  | 240.9  | 229.0  |
| 60°   | 719.7  | 645.4  | 565.1  | 481.8  | 401.5  | 321.3  | 243.8  | 184.4  | 154.6  | 136.9  | 122.0  |
| 62.5° | 544.2  | 481.8  | 428.2  | 356.8  | 294.4  | 226.0  | 166.6  | 118.9  | 92.1   | 77.3   | 71.4   |
| 65°   | 392.6  | 344.9  | 297.4  | 252.8  | 208.3  | 157.7  | 113.0  | 77.3   | 53.5   | 44.6   | 41.6   |
| 67.5° | 279.6  | 240.9  | 205.1  | 175.4  | 142.7  | 113.0  | 80.3   | 53.5   | 41.6   | 35.8   | 32.7   |
| 70°   | 196.3  | 166.6  | 142.7  | 116.0  | 95.2   | 74.3   | 62.4   | 38.7   | 23.8   | 26.8   | 20.9   |
| 72.5° | 130.8  | 110.1  | 98.2   | 80.3   | 65.4   | 53.5   | 38.7   | 26.8   | 26.8   | 20.9   | 17.8   |
| 75°   | 71.4   | 65.4   | 50.6   | 38.7   | 32.7   | 29.7   | 11.9   | 6.1    | 2.9    | 9.0    | 2.9    |
| 77.5° | 50.6   | 44.6   | 38.7   | 32.7   | 26.8   | 20.9   | 11.9   | 11.9   | 9.0    | 11.9   | 6.1    |
| 80°   | 32.7   | 26.8   | 23.8   | 23.8   | 14.8   | 9.0    | 6.1    | 6.1    | 9.0    | 2.9    | 2.9    |
| 82.5° | 20.9   | 17.8   | 14.8   | 14.8   | 14.8   | 9.0    | 9.0    | 9.0    | 9.0    | 6.1    | 6.1    |
| 85°   | 11.9   | 9.0    | 6.1    | 6.1    | 2.9    | 6.1    | 0.0    | 2.9    | 2.9    | 0.0    | 0.0    |
| 87.5° | 6.1    | 2.9    | 2.9    | 2.9    | 2.9    | 0.0    | 0.0    | 2.9    | 0.0    | 2.9    | 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°    | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 | 6364.7 |
| 2.5°  | 6415.3 | 6427.1 | 6442.1 | 6453.9 | 6480.7 | 6486.7 | 6498.7 | 6510.4 | 6519.4 | 6528.3 | 6531.3 |
| 5°    | 6456.8 | 6501.6 | 6543.2 | 6587.8 | 6644.3 | 6683.0 | 6727.6 | 6766.2 | 6804.9 | 6837.5 | 6861.3 |
| 7.5°  | 6468.8 | 6537.2 | 6599.8 | 6677.0 | 6760.2 | 6831.7 | 6906.0 | 6980.4 | 7057.7 | 7117.2 | 7167.8 |
| 10°   | 6492.6 | 6575.9 | 6656.2 | 6748.3 | 6855.5 | 6950.5 | 7042.8 | 7141.0 | 7239.1 | 7322.4 | 7396.8 |
| 12.5° | 6534.2 | 6626.5 | 6712.8 | 6813.9 | 6923.9 | 7030.9 | 7132.0 | 7242.1 | 7346.2 | 7438.4 | 7521.7 |
| 15°   | 6602.7 | 6688.9 | 6772.2 | 6867.4 | 6977.4 | 7075.5 | 7176.6 | 7283.7 | 7387.8 | 7483.0 | 7560.4 |
| 17.5° | 6647.2 | 6727.6 | 6810.7 | 6897.1 | 6989.2 | 7078.6 | 7173.6 | 7268.9 | 7364.0 | 7450.3 | 7521.7 |
| 20°   | 6647.2 | 6724.5 | 6787.0 | 6864.4 | 6950.5 | 7028.0 | 7105.3 | 7188.5 | 7271.8 | 7343.2 | 7411.6 |
| 22.5° | 6593.7 | 6668.0 | 6715.7 | 6775.1 | 6849.4 | 6915.0 | 6956.6 | 7048.7 | 7111.2 | 7173.6 | 7224.2 |
| 25°   | 6468.8 | 6522.3 | 6561.0 | 6602.7 | 6662.2 | 6706.7 | 6742.5 | 6796.0 | 6858.4 | 6882.3 | 6917.9 |
| 27.5° | 6242.7 | 6281.4 | 6302.3 | 6311.2 | 6340.9 | 6364.7 | 6370.6 | 6394.4 | 6421.2 | 6427.1 | 6442.1 |
| 30°   | 5885.9 | 5888.8 | 5879.9 | 5877.0 | 5862.0 | 5844.3 | 5841.2 | 5838.3 | 5826.4 | 5814.5 | 5817.4 |
| 32.5° | 5347.5 | 5332.7 | 5296.9 | 5258.4 | 5219.7 | 5178.1 | 5154.2 | 5124.4 | 5106.6 | 5088.8 | 5068.0 |
| 35°   | 4651.6 | 4615.9 | 4565.4 | 4517.7 | 4473.2 | 4440.4 | 4386.9 | 4369.0 | 4351.3 | 4327.4 | 4321.5 |
| 37.5° | 3833.7 | 3812.9 | 3765.2 | 3729.6 | 3705.9 | 3690.9 | 3664.1 | 3646.4 | 3646.4 | 3637.4 | 3631.5 |
| 40°   | 2989.0 | 2983.1 | 2965.3 | 2974.1 | 2962.2 | 2968.2 | 2965.3 | 2959.2 | 2974.1 | 2974.1 | 2980.2 |
| 42.5° | 2242.4 | 2245.5 | 2254.4 | 2260.4 | 2278.2 | 2281.1 | 2296.1 | 2296.1 | 2305.0 | 2313.9 | 2319.8 |
| 45°   | 1668.5 | 1680.5 | 1680.5 | 1692.4 | 1710.2 | 1713.1 | 1719.1 | 1722.1 | 1727.9 | 1742.9 | 1748.8 |
| 47.5° | 1252.0 | 1255.1 | 1255.1 | 1258.1 | 1263.9 | 1270.0 | 1267.1 | 1270.0 | 1278.9 | 1272.9 | 1278.9 |
| 50°   | 925.0  | 928.0  | 919.0  | 910.0  | 919.0  | 919.0  | 916.1  | 907.1  | 916.1  | 904.2  | 910.0  |
| 52.5° | 630.6  | 627.5  | 618.6  | 621.6  | 615.7  | 612.7  | 612.7  | 606.7  | 606.7  | 606.7  | 594.8  |
| 55°   | 398.6  | 398.6  | 392.6  | 392.6  | 389.7  | 383.6  | 380.7  | 377.7  | 374.8  | 371.8  | 371.8  |
| 57.5° | 223.1  | 226.0  | 217.1  | 214.1  | 217.1  | 214.1  | 208.3  | 208.3  | 208.3  | 199.3  | 205.1  |
| 60°   | 122.0  | 118.9  | 116.0  | 113.0  | 110.1  | 113.0  | 113.0  | 107.2  | 107.2  | 107.2  | 110.1  |
| 62.5° | 65.4   | 65.4   | 62.4   | 62.4   | 59.5   | 59.5   | 65.4   | 56.6   | 59.5   | 56.6   | 59.5   |
| 65°   | 35.8   | 44.6   | 32.7   | 32.7   | 41.6   | 38.7   | 35.8   | 35.8   | 38.7   | 32.7   | 35.8   |
| 67.5° | 38.7   | 26.8   | 23.8   | 26.8   | 23.8   | 23.8   | 23.8   | 29.7   | 26.8   | 20.9   | 26.8   |
| 70°   | 17.8   | 20.9   | 20.9   | 14.8   | 23.8   | 11.9   | 20.9   | 11.9   | 17.8   | 14.8   | 17.8   |
| 72.5° | 17.8   | 17.8   | 17.8   | 11.9   | 17.8   | 11.9   | 14.8   | 14.8   | 11.9   | 11.9   | 17.8   |
| 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° | 6.1    | 6.1    | 2.9    | 2.9    | 2.9    | 2.9    | 6.1    | 6.1    | 6.1    | 0.0    | 2.9    |
| 80°   | 6.1    | 6.1    | 0.0    | 2.9    | 0.0    | 0.0    | 2.9    | 0.0    | 2.9    | 0.0    | 6.1    |
| 82.5° | 2.9    | 6.1    | 2.9    | 2.9    | 6.1    | 6.1    | 6.1    | 2.9    | 2.9    | 2.9    | 2.9    |
| 85°   | 0.0    | 2.9    | 0.0    | 0.0    | 0.0    | 0.0    | 6.1    | 0.0    | 0.0    | 0.0    | 2.9    |
| 87.5° | 0.0    | 2.9    | 0.0    | 0.0    | 0.0    | 0.0    | 2.9    | 2.9    | 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: P249780

CATALOG NUMBER: LSR8B120D010 EC8B120930 8LBSWOLI

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 6364.7 | 6364.7 | 6364.7 | 6364.7 |
| 2.5°  | 6534.2 | 6537.2 | 6543.2 | 6540.3 |
| 5°    | 6879.2 | 6903.1 | 6915.0 | 6912.0 |
| 7.5°  | 7203.3 | 7245.1 | 7268.9 | 7268.9 |
| 10°   | 7453.2 | 7500.8 | 7536.5 | 7542.4 |
| 12.5° | 7587.0 | 7640.6 | 7688.3 | 7676.3 |
| 15°   | 7625.7 | 7679.3 | 7726.8 | 7717.9 |
| 17.5° | 7581.2 | 7634.7 | 7670.4 | 7664.4 |
| 20°   | 7459.2 | 7503.7 | 7539.5 | 7536.5 |
| 22.5° | 7268.9 | 7307.6 | 7337.3 | 7334.3 |
| 25°   | 6947.6 | 6974.4 | 6998.2 | 6986.3 |
| 27.5° | 6453.9 | 6462.9 | 6477.7 | 6459.9 |
| 30°   | 5796.7 | 5802.5 | 5808.6 | 5805.5 |
| 32.5° | 5059.1 | 5056.0 | 5050.1 | 5044.2 |
| 35°   | 4312.6 | 4312.6 | 4315.5 | 4297.7 |
| 37.5° | 3634.4 | 3631.5 | 3640.3 | 3631.5 |
| 40°   | 2986.0 | 2983.1 | 2995.0 | 2980.2 |
| 42.5° | 2328.8 | 2337.7 | 2340.6 | 2340.6 |
| 45°   | 1751.8 | 1754.7 | 1757.7 | 1757.7 |
| 47.5° | 1278.9 | 1281.9 | 1296.8 | 1278.9 |
| 50°   | 904.2  | 907.1  | 910.0  | 904.2  |
| 52.5° | 597.7  | 600.9  | 597.7  | 588.9  |
| 55°   | 365.8  | 368.8  | 368.8  | 368.8  |
| 57.5° | 196.3  | 199.3  | 199.3  | 196.3  |
| 60°   | 107.2  | 104.0  | 107.2  | 101.1  |
| 62.5° | 56.6   | 62.4   | 59.5   | 53.5   |
| 65°   | 35.8   | 35.8   | 35.8   | 41.6   |
| 67.5° | 29.7   | 23.8   | 26.8   | 20.9   |
| 70°   | 17.8   | 20.9   | 20.9   | 14.8   |
| 72.5° | 14.8   | 14.8   | 14.8   | 17.8   |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 6.1    | 6.1    | 6.1    | 2.9    |
| 80°   | 2.9    | 0.0    | 2.9    | 0.0    |
| 82.5° | 2.9    | 2.9    | 6.1    | 2.9    |
| 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)