

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: P250234

Luminaire Tested: **LSR8B100D010 EC8B100850 8LBSW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250234
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 EC8B100850 8LBSW0WH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11231.0 lumens
Efficiency: N/A
Efficacy: 105.7 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

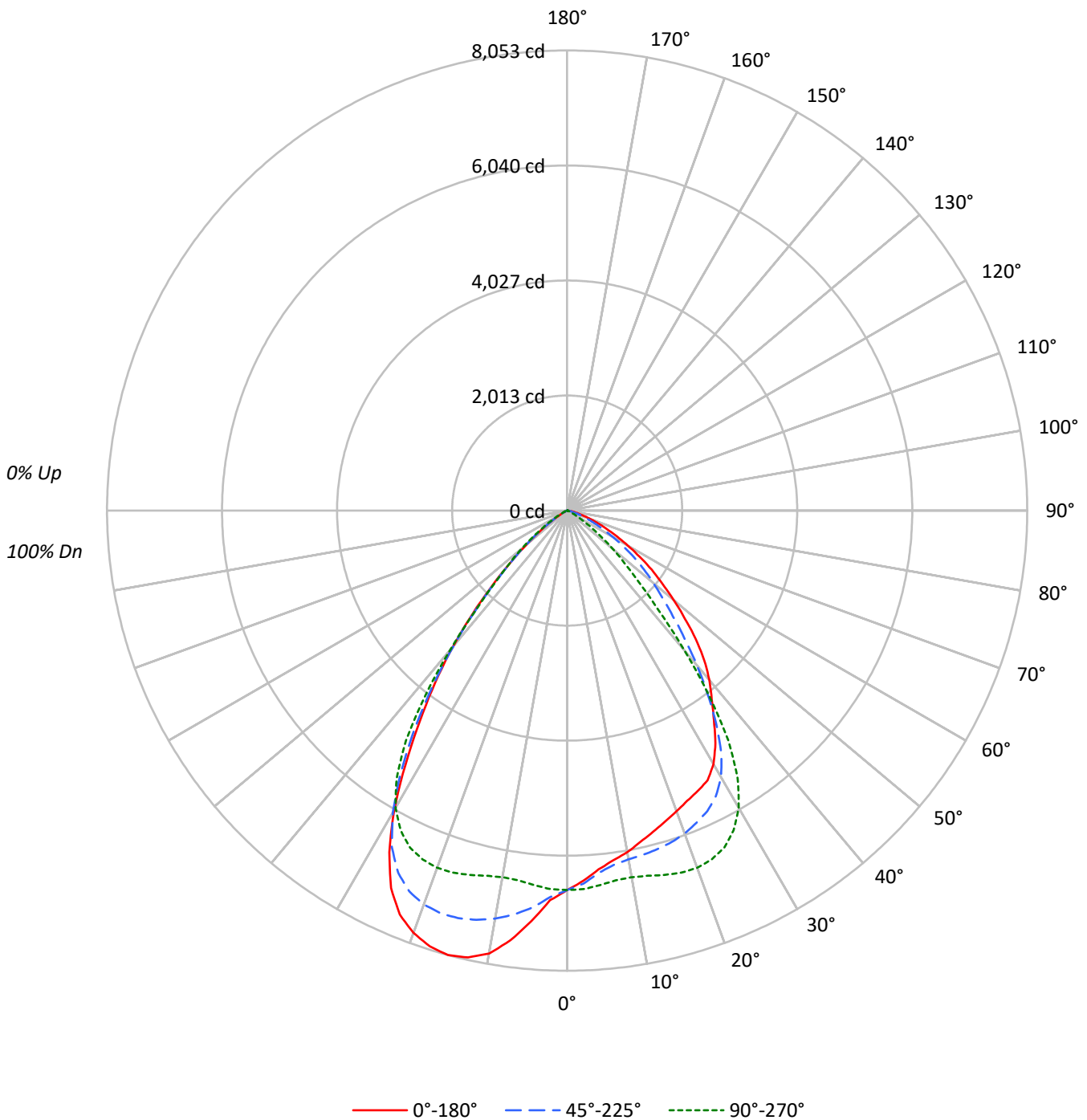
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250234

CATALOG NUMBER: LSR8B100D010 EC8B100850 8LBSW0WH

Luminous Intensity Polar Plot





TEST NUMBER: P250234

CATALOG NUMBER: LSR8B100D010 EC8B100850 8LBSW0WH

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° | 204781 | 204781 | 204781 |
| 5° | 195094 | 203641 | 223241 |
| 10° | 190064 | 203957 | 246419 |
| 15° | 185754 | 210718 | 257082 |
| 20° | 183707 | 218330 | 258047 |
| 25° | 184138 | 221415 | 248019 |
| 30° | 182431 | 213811 | 215691 |
| 35° | 168571 | 185040 | 168804 |
| 40° | 155775 | 128289 | 125170 |
| 45° | 138712 | 77411 | 79979 |
| 50° | 116713 | 49873 | 45258 |
| 55° | 97099 | 27359 | 20693 |
| 60° | 75789 | 11866 | 6506 |
| 65° | 55928 | 5888 | 3167 |
| 70° | 38895 | 3642 | 1397 |
| 75° | 23662 | 751 | 0 |
| 80° | 17083 | 1119 | 0 |
| 85° | 10968 | 1097 | 0 |



TEST NUMBER: P250234

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 638.4 | 5.7 |
| 10°-20° | 1910.7 | 17.0 |
| 20°-30° | 2926.1 | 26.1 |
| 30°-40° | 2868.5 | 25.5 |
| 40°-50° | 1727.4 | 15.4 |
| 50°-60° | 795.1 | 7.1 |
| 60°-70° | 279.3 | 2.5 |
| 70°-80° | 73.1 | 0.7 |
| 80°-90° | 12.5 | 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° | 5475.2 | 48.8 |
| 0°-40° | 8343.7 | 74.3 |
| 0°-60° | 10866.2 | 96.8 |
| 0°-90° | 11231.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 11231.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 6641 | 6641 | 6641 | 6641 | 6641 | |
| 5° | 6303 | 6362 | 6579 | 6973 | 7212 | 595 |
| 15° | 5819 | 6132 | 6601 | 7383 | 8053 | 1644 |
| 25° | 5412 | 5803 | 6508 | 6998 | 7290 | 2493 |
| 35° | 4478 | 4540 | 4916 | 4633 | 4484 | 2805 |
| 45° | 3181 | 2619 | 1775 | 1788 | 1834 | 2439 |
| 55° | 1806 | 1431 | 509 | 400 | 385 | 1612 |
| 65° | 766 | 531 | 81 | 40 | 43 | 781 |
| 75° | 199 | 115 | 6 | 0 | 0 | 241 |
| 85° | 31 | 16 | 3 | 0 | 0 | 43 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P250234

CATALOG NUMBER: LSR8B100D010 EC8B100850 8LBSW0WH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 |
| 2.5° | 6485.7 | 6492.0 | 6492.0 | 6492.0 | 6504.4 | 6507.6 | 6504.4 | 6507.6 | 6513.7 | 6535.4 | 6544.7 |
| 5° | 6302.7 | 6293.4 | 6299.6 | 6296.4 | 6312.0 | 6321.3 | 6315.1 | 6324.4 | 6346.1 | 6361.7 | 6377.1 |
| 7.5° | 6172.4 | 6172.4 | 6172.4 | 6178.5 | 6187.8 | 6206.5 | 6203.4 | 6209.6 | 6231.3 | 6253.0 | 6274.7 |
| 10° | 6070.0 | 6066.9 | 6066.9 | 6082.3 | 6094.7 | 6116.4 | 6122.7 | 6141.4 | 6169.2 | 6197.2 | 6222.0 |
| 12.5° | 5936.5 | 5939.7 | 5955.1 | 5970.7 | 5998.5 | 6032.7 | 6051.3 | 6076.2 | 6119.6 | 6166.1 | 6194.1 |
| 15° | 5818.6 | 5821.6 | 5834.2 | 5865.1 | 5899.3 | 5939.7 | 5979.9 | 6020.3 | 6073.0 | 6132.0 | 6181.7 |
| 17.5° | 5703.7 | 5706.8 | 5716.1 | 5750.4 | 5793.8 | 5846.5 | 5893.0 | 5945.8 | 6014.1 | 6082.3 | 6144.4 |
| 20° | 5598.2 | 5595.2 | 5610.6 | 5641.7 | 5697.6 | 5747.2 | 5793.8 | 5855.9 | 5930.3 | 6014.1 | 6085.4 |
| 22.5° | 5495.8 | 5495.8 | 5511.4 | 5542.4 | 5592.1 | 5641.7 | 5691.4 | 5756.5 | 5831.0 | 5911.7 | 5995.5 |
| 25° | 5412.0 | 5408.9 | 5430.7 | 5446.2 | 5483.4 | 5533.1 | 5585.8 | 5638.6 | 5713.1 | 5803.1 | 5883.7 |
| 27.5° | 5322.1 | 5319.0 | 5322.1 | 5340.7 | 5374.8 | 5412.0 | 5452.4 | 5499.0 | 5561.1 | 5635.5 | 5713.1 |
| 30° | 5123.5 | 5126.5 | 5126.5 | 5142.1 | 5160.8 | 5201.0 | 5222.7 | 5269.3 | 5325.1 | 5387.2 | 5455.6 |
| 32.5° | 4828.7 | 4831.7 | 4831.7 | 4838.0 | 4853.4 | 4872.1 | 4890.7 | 4924.8 | 4968.3 | 5021.0 | 5083.1 |
| 35° | 4478.0 | 4478.0 | 4474.8 | 4478.0 | 4487.4 | 4487.4 | 4502.8 | 4487.4 | 4509.1 | 4540.1 | 4586.6 |
| 37.5° | 4155.2 | 4149.0 | 4142.9 | 4136.6 | 4127.3 | 4111.8 | 4090.1 | 4052.8 | 4043.5 | 4031.1 | 4034.2 |
| 40° | 3869.8 | 3866.7 | 3848.1 | 3832.5 | 3801.4 | 3764.3 | 3711.5 | 3646.4 | 3593.6 | 3531.5 | 3478.8 |
| 42.5° | 3553.2 | 3550.1 | 3534.6 | 3506.6 | 3472.5 | 3416.7 | 3332.9 | 3246.1 | 3140.5 | 3047.4 | 2951.2 |
| 45° | 3180.8 | 3190.1 | 3168.4 | 3137.4 | 3097.0 | 3044.2 | 2951.2 | 2845.6 | 2740.1 | 2619.1 | 2498.1 |
| 47.5° | 2792.9 | 2789.8 | 2774.3 | 2755.7 | 2721.6 | 2668.8 | 2606.8 | 2491.9 | 2380.2 | 2268.5 | 2144.4 |
| 50° | 2432.9 | 2420.5 | 2414.3 | 2395.7 | 2374.0 | 2330.6 | 2265.3 | 2172.2 | 2073.0 | 1967.5 | 1852.6 |
| 52.5° | 2091.6 | 2091.6 | 2076.0 | 2063.6 | 2045.0 | 2010.9 | 1955.1 | 1880.6 | 1796.8 | 1697.4 | 1576.5 |
| 55° | 1806.1 | 1799.9 | 1784.4 | 1768.8 | 1750.2 | 1728.5 | 1678.9 | 1616.8 | 1526.8 | 1430.6 | 1325.1 |
| 57.5° | 1502.0 | 1498.8 | 1492.7 | 1474.0 | 1464.7 | 1443.0 | 1387.2 | 1325.1 | 1247.6 | 1163.8 | 1076.8 |
| 60° | 1228.9 | 1216.5 | 1204.0 | 1191.6 | 1176.2 | 1154.4 | 1117.1 | 1064.4 | 999.2 | 924.8 | 837.9 |
| 62.5° | 983.8 | 1002.3 | 965.1 | 965.1 | 934.1 | 915.5 | 881.4 | 850.3 | 782.0 | 713.8 | 639.3 |
| 65° | 766.5 | 766.5 | 750.9 | 738.5 | 719.9 | 698.2 | 664.1 | 633.0 | 583.4 | 530.6 | 477.8 |
| 67.5° | 586.5 | 583.4 | 567.9 | 555.5 | 539.9 | 527.5 | 502.8 | 465.5 | 428.3 | 384.9 | 341.3 |
| 70° | 431.4 | 428.3 | 425.1 | 403.4 | 391.0 | 375.5 | 356.9 | 332.1 | 304.1 | 273.1 | 232.7 |
| 72.5° | 310.3 | 310.3 | 301.1 | 291.7 | 279.3 | 266.8 | 248.3 | 232.7 | 207.9 | 186.2 | 158.3 |
| 75° | 198.6 | 195.6 | 195.6 | 180.0 | 180.0 | 161.3 | 148.9 | 139.6 | 127.2 | 114.8 | 90.1 |
| 77.5° | 142.8 | 139.6 | 136.5 | 130.3 | 124.2 | 117.9 | 108.6 | 96.2 | 86.9 | 74.5 | 65.1 |
| 80° | 96.2 | 90.1 | 86.9 | 86.9 | 77.5 | 74.5 | 77.5 | 59.0 | 55.8 | 46.5 | 40.4 |
| 82.5° | 59.0 | 59.0 | 55.8 | 55.8 | 52.8 | 49.7 | 40.4 | 40.4 | 37.3 | 34.1 | 28.0 |
| 85° | 31.0 | 40.4 | 28.0 | 31.0 | 28.0 | 31.0 | 28.0 | 21.7 | 18.6 | 15.5 | 15.5 |
| 87.5° | 18.6 | 12.4 | 12.4 | 18.6 | 15.5 | 12.4 | 12.4 | 12.4 | 9.3 | 6.3 | 6.3 |
| 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: P250234

CATALOG NUMBER: LSR8B100D010 EC8B100850 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 |
| 2.5° | 6538.6 | 6560.3 | 6557.1 | 6585.1 | 6594.4 | 6616.1 | 6616.1 | 6631.6 | 6640.9 | 6662.6 | 6681.3 |
| 5° | 6383.4 | 6417.5 | 6426.8 | 6460.9 | 6488.9 | 6523.0 | 6544.7 | 6578.8 | 6609.9 | 6656.5 | 6699.9 |
| 7.5° | 6287.2 | 6315.1 | 6333.7 | 6374.1 | 6405.1 | 6442.3 | 6479.6 | 6526.1 | 6569.5 | 6625.5 | 6687.5 |
| 10° | 6240.6 | 6277.9 | 6305.7 | 6346.1 | 6383.4 | 6423.8 | 6460.9 | 6513.7 | 6563.4 | 6634.8 | 6703.0 |
| 12.5° | 6228.2 | 6271.6 | 6305.7 | 6361.7 | 6398.9 | 6442.3 | 6485.7 | 6544.7 | 6597.5 | 6672.0 | 6749.6 |
| 15° | 6228.2 | 6287.2 | 6333.7 | 6395.8 | 6439.2 | 6495.0 | 6541.7 | 6600.6 | 6659.6 | 6737.1 | 6811.6 |
| 17.5° | 6215.8 | 6287.2 | 6346.1 | 6417.5 | 6473.3 | 6529.3 | 6588.2 | 6644.1 | 6706.1 | 6780.7 | 6864.3 |
| 20° | 6166.1 | 6256.2 | 6327.5 | 6411.3 | 6470.3 | 6532.3 | 6591.4 | 6653.3 | 6718.6 | 6796.1 | 6867.5 |
| 22.5° | 6079.3 | 6184.8 | 6265.5 | 6355.4 | 6423.8 | 6485.7 | 6544.7 | 6606.8 | 6678.2 | 6752.7 | 6827.1 |
| 25° | 5964.4 | 6063.7 | 6150.7 | 6243.7 | 6312.0 | 6380.2 | 6436.2 | 6507.6 | 6572.7 | 6644.1 | 6703.0 |
| 27.5° | 5790.6 | 5896.1 | 5979.9 | 6076.2 | 6138.2 | 6203.4 | 6249.9 | 6308.9 | 6371.0 | 6429.9 | 6476.5 |
| 30° | 5530.0 | 5626.2 | 5713.1 | 5799.9 | 5862.0 | 5908.6 | 5958.2 | 6004.8 | 6045.2 | 6085.4 | 6125.8 |
| 32.5° | 5148.2 | 5235.2 | 5319.0 | 5399.6 | 5449.3 | 5489.7 | 5526.8 | 5554.8 | 5576.5 | 5598.2 | 5601.3 |
| 35° | 4623.9 | 4695.2 | 4747.9 | 4819.3 | 4866.0 | 4903.1 | 4903.1 | 4915.5 | 4912.4 | 4903.1 | 4893.8 |
| 37.5° | 4037.4 | 4065.2 | 4086.9 | 4114.9 | 4118.0 | 4118.0 | 4099.4 | 4083.8 | 4059.1 | 4052.8 | 4034.2 |
| 40° | 3426.0 | 3388.7 | 3360.8 | 3323.6 | 3301.9 | 3255.2 | 3215.0 | 3187.0 | 3146.7 | 3140.5 | 3134.3 |
| 42.5° | 2845.6 | 2758.8 | 2681.2 | 2616.1 | 2541.6 | 2476.3 | 2417.5 | 2374.0 | 2343.0 | 2339.8 | 2343.0 |
| 45° | 2374.0 | 2274.7 | 2159.8 | 2069.9 | 1986.1 | 1905.4 | 1827.8 | 1775.1 | 1747.1 | 1740.9 | 1747.1 |
| 47.5° | 2017.1 | 1902.3 | 1790.5 | 1688.1 | 1598.2 | 1508.1 | 1430.6 | 1359.2 | 1325.1 | 1315.8 | 1312.7 |
| 50° | 1734.7 | 1616.8 | 1498.8 | 1393.3 | 1294.1 | 1204.0 | 1107.8 | 1039.6 | 996.2 | 980.6 | 968.2 |
| 52.5° | 1458.6 | 1353.1 | 1232.0 | 1123.4 | 1024.0 | 918.5 | 819.3 | 741.6 | 698.2 | 679.7 | 667.1 |
| 55° | 1216.5 | 1111.0 | 999.2 | 893.7 | 788.2 | 682.7 | 583.4 | 508.9 | 462.4 | 440.7 | 425.1 |
| 57.5° | 971.3 | 872.0 | 775.8 | 670.3 | 583.4 | 481.0 | 381.7 | 316.5 | 276.2 | 251.4 | 239.0 |
| 60° | 750.9 | 673.4 | 589.6 | 502.8 | 419.0 | 335.2 | 254.4 | 192.4 | 161.3 | 142.8 | 127.2 |
| 62.5° | 567.9 | 502.8 | 446.8 | 372.3 | 307.2 | 235.8 | 173.8 | 124.2 | 96.2 | 80.7 | 74.5 |
| 65° | 409.6 | 359.9 | 310.3 | 263.8 | 217.3 | 164.5 | 117.9 | 80.7 | 55.8 | 46.5 | 43.4 |
| 67.5° | 291.7 | 251.4 | 214.1 | 183.0 | 148.9 | 117.9 | 83.8 | 55.8 | 43.4 | 37.3 | 34.1 |
| 70° | 204.8 | 173.8 | 148.9 | 121.1 | 99.2 | 77.5 | 65.1 | 40.4 | 24.8 | 28.0 | 21.7 |
| 72.5° | 136.5 | 114.8 | 102.4 | 83.8 | 68.2 | 55.8 | 40.4 | 28.0 | 28.0 | 21.7 | 18.6 |
| 75° | 74.5 | 68.2 | 52.8 | 40.4 | 34.1 | 31.0 | 12.4 | 6.3 | 3.1 | 9.3 | 3.1 |
| 77.5° | 52.8 | 46.5 | 40.4 | 34.1 | 28.0 | 21.7 | 12.4 | 12.4 | 9.3 | 12.4 | 6.3 |
| 80° | 34.1 | 28.0 | 24.8 | 24.8 | 15.5 | 9.3 | 6.3 | 6.3 | 9.3 | 3.1 | 3.1 |
| 82.5° | 21.7 | 18.6 | 15.5 | 15.5 | 15.5 | 9.3 | 9.3 | 9.3 | 9.3 | 6.3 | 6.3 |
| 85° | 12.4 | 9.3 | 6.3 | 6.3 | 3.1 | 6.3 | 0.0 | 3.1 | 3.1 | 0.0 | 0.0 |
| 87.5° | 6.3 | 3.1 | 3.1 | 3.1 | 3.1 | 0.0 | 0.0 | 3.1 | 0.0 | 3.1 | 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 |



TEST NUMBER: P250234

CATALOG NUMBER: LSR8B100D010 EC8B100850 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 | 6640.9 |
| 2.5° | 6693.7 | 6706.1 | 6721.6 | 6734.0 | 6762.0 | 6768.1 | 6780.7 | 6793.0 | 6802.4 | 6811.6 | 6814.8 |
| 5° | 6737.1 | 6783.7 | 6827.1 | 6873.6 | 6932.7 | 6973.0 | 7019.5 | 7059.9 | 7100.2 | 7134.3 | 7159.1 |
| 7.5° | 6749.6 | 6820.9 | 6886.2 | 6966.8 | 7053.6 | 7128.2 | 7205.7 | 7283.3 | 7364.0 | 7426.1 | 7478.8 |
| 10° | 6774.4 | 6861.3 | 6945.0 | 7041.2 | 7153.0 | 7252.2 | 7348.4 | 7450.9 | 7553.3 | 7640.2 | 7717.8 |
| 12.5° | 6817.8 | 6914.0 | 7004.1 | 7109.6 | 7224.4 | 7336.0 | 7441.5 | 7556.4 | 7665.1 | 7761.3 | 7848.1 |
| 15° | 6889.2 | 6979.1 | 7066.1 | 7165.4 | 7280.2 | 7382.7 | 7488.2 | 7599.8 | 7708.5 | 7807.7 | 7888.5 |
| 17.5° | 6935.7 | 7019.5 | 7106.4 | 7196.4 | 7292.6 | 7385.7 | 7485.0 | 7584.3 | 7683.6 | 7773.6 | 7848.1 |
| 20° | 6935.7 | 7016.4 | 7081.6 | 7162.3 | 7252.2 | 7333.0 | 7413.7 | 7500.6 | 7587.4 | 7661.9 | 7733.3 |
| 22.5° | 6879.9 | 6957.4 | 7007.1 | 7069.2 | 7146.7 | 7215.1 | 7258.5 | 7354.7 | 7419.8 | 7485.0 | 7537.7 |
| 25° | 6749.6 | 6805.4 | 6845.8 | 6889.2 | 6951.3 | 6997.8 | 7035.1 | 7090.9 | 7156.1 | 7181.0 | 7218.1 |
| 27.5° | 6513.7 | 6554.1 | 6575.8 | 6585.1 | 6616.1 | 6640.9 | 6647.2 | 6672.0 | 6699.9 | 6706.1 | 6721.6 |
| 30° | 6141.4 | 6144.4 | 6135.1 | 6132.0 | 6116.4 | 6097.9 | 6094.7 | 6091.7 | 6079.3 | 6066.9 | 6070.0 |
| 32.5° | 5579.6 | 5564.1 | 5526.8 | 5486.6 | 5446.2 | 5402.8 | 5377.9 | 5346.9 | 5328.2 | 5309.7 | 5288.0 |
| 35° | 4853.4 | 4816.3 | 4763.5 | 4713.8 | 4667.3 | 4633.1 | 4577.3 | 4558.6 | 4540.1 | 4515.2 | 4509.1 |
| 37.5° | 4000.1 | 3978.3 | 3928.7 | 3891.5 | 3866.7 | 3851.1 | 3823.1 | 3804.6 | 3804.6 | 3795.3 | 3789.0 |
| 40° | 3118.7 | 3112.6 | 3093.9 | 3103.2 | 3090.9 | 3097.0 | 3093.9 | 3087.7 | 3103.2 | 3103.2 | 3109.5 |
| 42.5° | 2339.8 | 2343.0 | 2352.3 | 2358.4 | 2377.1 | 2380.2 | 2395.7 | 2395.7 | 2405.1 | 2414.3 | 2420.5 |
| 45° | 1740.9 | 1753.4 | 1753.4 | 1765.8 | 1784.4 | 1787.5 | 1793.6 | 1796.8 | 1802.9 | 1818.5 | 1824.7 |
| 47.5° | 1306.4 | 1309.5 | 1309.5 | 1312.7 | 1318.8 | 1325.1 | 1322.0 | 1325.1 | 1334.4 | 1328.2 | 1334.4 |
| 50° | 965.1 | 968.2 | 958.9 | 949.6 | 958.9 | 958.9 | 955.8 | 946.5 | 955.8 | 943.4 | 949.6 |
| 52.5° | 657.9 | 654.8 | 645.4 | 648.6 | 642.4 | 639.3 | 639.3 | 633.0 | 633.0 | 633.0 | 620.6 |
| 55° | 415.9 | 415.9 | 409.6 | 409.6 | 406.6 | 400.3 | 397.2 | 394.1 | 391.0 | 387.9 | 387.9 |
| 57.5° | 232.7 | 235.8 | 226.6 | 223.4 | 226.6 | 223.4 | 217.3 | 217.3 | 217.3 | 207.9 | 214.1 |
| 60° | 127.2 | 124.2 | 121.1 | 117.9 | 114.8 | 117.9 | 117.9 | 111.8 | 111.8 | 111.8 | 114.8 |
| 62.5° | 68.2 | 68.2 | 65.1 | 65.1 | 62.1 | 62.1 | 68.2 | 59.0 | 62.1 | 59.0 | 62.1 |
| 65° | 37.3 | 46.5 | 34.1 | 34.1 | 43.4 | 40.4 | 37.3 | 37.3 | 40.4 | 34.1 | 37.3 |
| 67.5° | 40.4 | 28.0 | 24.8 | 28.0 | 24.8 | 24.8 | 24.8 | 31.0 | 28.0 | 21.7 | 28.0 |
| 70° | 18.6 | 21.7 | 21.7 | 15.5 | 24.8 | 12.4 | 21.7 | 12.4 | 18.6 | 15.5 | 18.6 |
| 72.5° | 18.6 | 18.6 | 18.6 | 12.4 | 18.6 | 12.4 | 15.5 | 15.5 | 12.4 | 12.4 | 18.6 |
| 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° | 6.3 | 6.3 | 3.1 | 3.1 | 3.1 | 3.1 | 6.3 | 6.3 | 6.3 | 0.0 | 3.1 |
| 80° | 6.3 | 6.3 | 0.0 | 3.1 | 0.0 | 0.0 | 3.1 | 0.0 | 3.1 | 0.0 | 6.3 |
| 82.5° | 3.1 | 6.3 | 3.1 | 3.1 | 6.3 | 6.3 | 6.3 | 3.1 | 3.1 | 3.1 | 3.1 |
| 85° | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | 0.0 | 0.0 | 0.0 | 3.1 |
| 87.5° | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 3.1 | 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: P250234

CATALOG NUMBER: LSR8B100D010 EC8B100850 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 6640.9 | 6640.9 | 6640.9 | 6640.9 |
| 2.5° | 6817.8 | 6820.9 | 6827.1 | 6824.1 |
| 5° | 7177.8 | 7202.7 | 7215.1 | 7212.0 |
| 7.5° | 7516.0 | 7559.6 | 7584.3 | 7584.3 |
| 10° | 7776.7 | 7826.4 | 7863.6 | 7869.8 |
| 12.5° | 7916.3 | 7972.3 | 8022.0 | 8009.4 |
| 15° | 7956.7 | 8012.6 | 8062.2 | 8052.9 |
| 17.5° | 7910.2 | 7966.0 | 8003.3 | 7997.0 |
| 20° | 7783.0 | 7829.5 | 7866.8 | 7863.6 |
| 22.5° | 7584.3 | 7624.7 | 7655.7 | 7652.6 |
| 25° | 7249.2 | 7277.1 | 7301.9 | 7289.5 |
| 27.5° | 6734.0 | 6743.4 | 6758.8 | 6740.3 |
| 30° | 6048.2 | 6054.4 | 6060.6 | 6057.6 |
| 32.5° | 5278.7 | 5275.5 | 5269.3 | 5263.1 |
| 35° | 4499.7 | 4499.7 | 4502.8 | 4484.2 |
| 37.5° | 3792.1 | 3789.0 | 3798.4 | 3789.0 |
| 40° | 3115.6 | 3112.6 | 3125.0 | 3109.5 |
| 42.5° | 2429.8 | 2439.2 | 2442.2 | 2442.2 |
| 45° | 1827.8 | 1830.9 | 1834.0 | 1834.0 |
| 47.5° | 1334.4 | 1337.5 | 1353.1 | 1334.4 |
| 50° | 943.4 | 946.5 | 949.6 | 943.4 |
| 52.5° | 623.7 | 626.9 | 623.7 | 614.4 |
| 55° | 381.7 | 384.9 | 384.9 | 384.9 |
| 57.5° | 204.8 | 207.9 | 207.9 | 204.8 |
| 60° | 111.8 | 108.6 | 111.8 | 105.5 |
| 62.5° | 59.0 | 65.1 | 62.1 | 55.8 |
| 65° | 37.3 | 37.3 | 37.3 | 43.4 |
| 67.5° | 31.0 | 24.8 | 28.0 | 21.7 |
| 70° | 18.6 | 21.7 | 21.7 | 15.5 |
| 72.5° | 15.5 | 15.5 | 15.5 | 18.6 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 6.3 | 6.3 | 6.3 | 3.1 |
| 80° | 3.1 | 0.0 | 3.1 | 0.0 |
| 82.5° | 3.1 | 3.1 | 6.3 | 3.1 |
| 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)