

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: P250220

Luminaire Tested: **LSR8B100D010 EC8B100835 8LBSW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250220
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 EC8B100835 8LBSW0WH
Description: PORTFOLIO 8 INCH SINGLE 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: 11088.0 lumens
Efficiency: N/A
Efficacy: 104.3 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

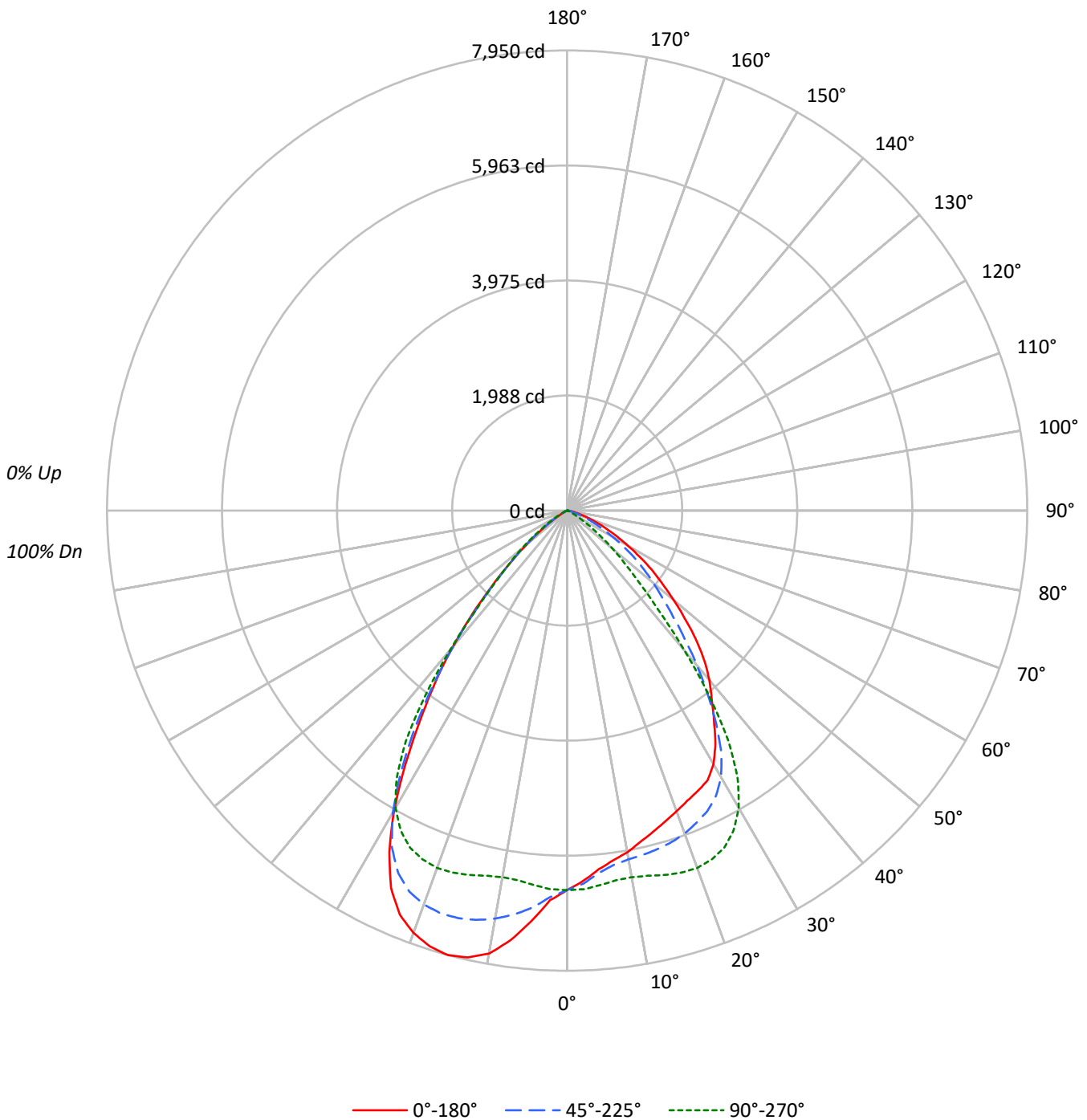
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250220

CATALOG NUMBER: LSR8B100D010 EC8B100835 8LBSW0WH

Luminous Intensity Polar Plot





TEST NUMBER: P250220

CATALOG NUMBER: LSR8B100D010 EC8B100835 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° | 202175 | 202175 | 202175 |
| 5° | 192609 | 201050 | 220399 |
| 10° | 187644 | 201361 | 243282 |
| 15° | 183388 | 208033 | 253806 |
| 20° | 181370 | 215551 | 254758 |
| 25° | 181794 | 218595 | 244861 |
| 30° | 180106 | 211091 | 212942 |
| 35° | 166425 | 182683 | 166655 |
| 40° | 153790 | 126659 | 123576 |
| 45° | 136946 | 76425 | 78959 |
| 50° | 115226 | 49239 | 44682 |
| 55° | 95862 | 27010 | 20429 |
| 60° | 74827 | 11712 | 6426 |
| 65° | 55220 | 5815 | 3130 |
| 70° | 38399 | 3588 | 1379 |
| 75° | 23364 | 739 | 0 |
| 80° | 16870 | 1101 | 0 |
| 85° | 10826 | 1061 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 630.3 | 5.7 |
| 10°-20° | 1886.4 | 17.0 |
| 20°-30° | 2888.8 | 26.1 |
| 30°-40° | 2832.0 | 25.5 |
| 40°-50° | 1705.4 | 15.4 |
| 50°-60° | 785.0 | 7.1 |
| 60°-70° | 275.7 | 2.5 |
| 70°-80° | 72.1 | 0.7 |
| 80°-90° | 12.3 | 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° | 5405.5 | 48.8 |
| 0°-40° | 8237.5 | 74.3 |
| 0°-60° | 10727.8 | 96.8 |
| 0°-90° | 11088.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 11088.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 6556 | 6556 | 6556 | 6556 | 6556 | |
| 5° | 6222 | 6281 | 6495 | 6884 | 7120 | 588 |
| 15° | 5744 | 6054 | 6516 | 7289 | 7950 | 1623 |
| 25° | 5343 | 5729 | 6425 | 6909 | 7197 | 2461 |
| 35° | 4421 | 4482 | 4853 | 4574 | 4427 | 2769 |
| 45° | 3140 | 2586 | 1752 | 1765 | 1811 | 2408 |
| 55° | 1783 | 1412 | 502 | 395 | 380 | 1591 |
| 65° | 757 | 524 | 80 | 40 | 43 | 771 |
| 75° | 196 | 113 | 6 | 0 | 0 | 238 |
| 85° | 31 | 15 | 3 | 0 | 0 | 42 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P250220

CATALOG NUMBER: LSR8B100D010 EC8B100835 8LBSW0WH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 |
| 2.5° | 6403.1 | 6409.3 | 6409.3 | 6409.3 | 6421.6 | 6424.7 | 6421.6 | 6424.7 | 6430.8 | 6452.2 | 6461.4 |
| 5° | 6222.4 | 6213.2 | 6219.4 | 6216.3 | 6231.6 | 6240.8 | 6234.7 | 6243.9 | 6265.3 | 6280.7 | 6295.9 |
| 7.5° | 6093.8 | 6093.8 | 6093.8 | 6099.9 | 6109.1 | 6127.5 | 6124.4 | 6130.5 | 6151.9 | 6173.4 | 6194.8 |
| 10° | 5992.7 | 5989.6 | 5989.6 | 6004.9 | 6017.1 | 6038.6 | 6044.7 | 6063.2 | 6090.6 | 6118.3 | 6142.7 |
| 12.5° | 5860.9 | 5864.0 | 5879.3 | 5894.7 | 5922.2 | 5955.8 | 5974.3 | 5998.8 | 6041.7 | 6087.6 | 6115.2 |
| 15° | 5744.5 | 5747.5 | 5759.9 | 5790.4 | 5824.2 | 5864.0 | 5903.8 | 5943.6 | 5995.7 | 6054.0 | 6103.0 |
| 17.5° | 5631.1 | 5634.1 | 5643.4 | 5677.1 | 5720.0 | 5772.1 | 5818.0 | 5870.1 | 5937.6 | 6004.9 | 6066.2 |
| 20° | 5527.0 | 5523.9 | 5539.2 | 5569.8 | 5625.1 | 5674.0 | 5720.0 | 5781.3 | 5854.8 | 5937.6 | 6007.9 |
| 22.5° | 5425.8 | 5425.8 | 5441.2 | 5471.8 | 5520.9 | 5569.8 | 5618.9 | 5683.2 | 5756.7 | 5836.4 | 5919.1 |
| 25° | 5343.1 | 5340.1 | 5361.5 | 5376.9 | 5413.6 | 5462.6 | 5514.7 | 5566.8 | 5640.3 | 5729.2 | 5808.8 |
| 27.5° | 5254.3 | 5251.3 | 5254.3 | 5272.7 | 5306.4 | 5343.1 | 5382.9 | 5429.0 | 5490.3 | 5563.8 | 5640.3 |
| 30° | 5058.2 | 5061.2 | 5061.2 | 5076.6 | 5095.0 | 5134.8 | 5156.2 | 5202.2 | 5257.3 | 5318.6 | 5386.1 |
| 32.5° | 4767.2 | 4770.2 | 4770.2 | 4776.4 | 4791.6 | 4810.0 | 4828.5 | 4862.1 | 4905.0 | 4957.1 | 5018.4 |
| 35° | 4421.0 | 4421.0 | 4417.9 | 4421.0 | 4430.2 | 4430.2 | 4445.5 | 4430.2 | 4451.7 | 4482.3 | 4528.2 |
| 37.5° | 4102.3 | 4096.2 | 4090.1 | 4083.9 | 4074.7 | 4059.5 | 4038.0 | 4001.2 | 3992.0 | 3979.8 | 3982.8 |
| 40° | 3820.5 | 3817.5 | 3799.1 | 3783.7 | 3753.0 | 3716.3 | 3664.3 | 3599.9 | 3547.9 | 3486.6 | 3434.5 |
| 42.5° | 3508.0 | 3504.9 | 3489.6 | 3462.0 | 3428.3 | 3373.2 | 3290.5 | 3204.7 | 3100.6 | 3008.6 | 2913.7 |
| 45° | 3140.3 | 3149.5 | 3128.1 | 3097.4 | 3057.6 | 3005.5 | 2913.7 | 2809.4 | 2705.2 | 2585.8 | 2466.2 |
| 47.5° | 2757.3 | 2754.3 | 2739.0 | 2720.6 | 2686.9 | 2634.9 | 2573.6 | 2460.2 | 2349.9 | 2239.6 | 2117.1 |
| 50° | 2401.9 | 2389.7 | 2383.5 | 2365.2 | 2343.8 | 2300.9 | 2236.5 | 2144.6 | 2046.6 | 1942.4 | 1829.0 |
| 52.5° | 2065.0 | 2065.0 | 2049.6 | 2037.4 | 2019.0 | 1985.3 | 1930.2 | 1856.7 | 1773.9 | 1675.8 | 1556.4 |
| 55° | 1783.1 | 1777.0 | 1761.7 | 1746.3 | 1727.9 | 1706.5 | 1657.5 | 1596.2 | 1507.3 | 1412.4 | 1308.2 |
| 57.5° | 1482.9 | 1479.7 | 1473.7 | 1455.3 | 1446.1 | 1424.6 | 1369.5 | 1308.2 | 1231.7 | 1148.9 | 1063.1 |
| 60° | 1213.3 | 1201.0 | 1188.7 | 1176.4 | 1161.2 | 1139.7 | 1102.9 | 1050.8 | 986.5 | 913.0 | 827.3 |
| 62.5° | 971.3 | 989.6 | 952.9 | 952.9 | 922.2 | 903.8 | 870.1 | 839.5 | 772.0 | 704.7 | 631.2 |
| 65° | 756.8 | 756.8 | 741.4 | 729.1 | 710.7 | 689.3 | 655.6 | 625.0 | 575.9 | 523.8 | 471.8 |
| 67.5° | 579.1 | 575.9 | 560.7 | 548.4 | 533.0 | 520.8 | 496.4 | 459.5 | 422.8 | 380.0 | 337.0 |
| 70° | 425.9 | 422.8 | 419.7 | 398.2 | 386.0 | 370.8 | 352.3 | 327.9 | 300.3 | 269.6 | 229.8 |
| 72.5° | 306.3 | 306.3 | 297.2 | 288.0 | 275.8 | 263.4 | 245.1 | 229.8 | 205.3 | 183.9 | 156.2 |
| 75° | 196.1 | 193.1 | 193.1 | 177.7 | 177.7 | 159.3 | 147.0 | 137.8 | 125.6 | 113.4 | 88.9 |
| 77.5° | 141.0 | 137.8 | 134.8 | 128.6 | 122.6 | 116.4 | 107.2 | 95.0 | 85.8 | 73.5 | 64.3 |
| 80° | 95.0 | 88.9 | 85.8 | 85.8 | 76.5 | 73.5 | 76.5 | 58.3 | 55.1 | 45.9 | 39.8 |
| 82.5° | 58.3 | 58.3 | 55.1 | 55.1 | 52.1 | 49.1 | 39.8 | 39.8 | 36.8 | 33.7 | 27.6 |
| 85° | 30.6 | 39.8 | 27.6 | 30.6 | 27.6 | 30.6 | 27.6 | 21.4 | 18.4 | 15.3 | 15.3 |
| 87.5° | 18.4 | 12.2 | 12.2 | 18.4 | 15.3 | 12.2 | 12.2 | 12.2 | 9.2 | 6.2 | 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 |



TEST NUMBER: P250220

CATALOG NUMBER: LSR8B100D010 EC8B100835 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 |
| 2.5° | 6455.3 | 6476.8 | 6473.6 | 6501.2 | 6510.5 | 6531.9 | 6531.9 | 6547.2 | 6556.4 | 6577.8 | 6596.2 |
| 5° | 6302.1 | 6335.8 | 6345.0 | 6378.7 | 6406.3 | 6440.0 | 6461.4 | 6495.1 | 6525.7 | 6571.7 | 6614.6 |
| 7.5° | 6207.2 | 6234.7 | 6253.1 | 6292.9 | 6323.6 | 6360.3 | 6397.1 | 6443.0 | 6485.9 | 6541.1 | 6602.4 |
| 10° | 6161.1 | 6198.0 | 6225.5 | 6265.3 | 6302.1 | 6342.0 | 6378.7 | 6430.8 | 6479.8 | 6550.3 | 6617.6 |
| 12.5° | 6148.9 | 6191.8 | 6225.5 | 6280.7 | 6317.4 | 6360.3 | 6403.1 | 6461.4 | 6513.5 | 6587.0 | 6663.7 |
| 15° | 6148.9 | 6207.2 | 6253.1 | 6314.4 | 6357.2 | 6412.3 | 6458.4 | 6516.5 | 6574.8 | 6651.3 | 6724.8 |
| 17.5° | 6136.7 | 6207.2 | 6265.3 | 6335.8 | 6390.9 | 6446.1 | 6504.3 | 6559.5 | 6620.7 | 6694.3 | 6776.9 |
| 20° | 6087.6 | 6176.5 | 6246.9 | 6329.6 | 6387.9 | 6449.2 | 6507.4 | 6568.6 | 6633.0 | 6709.6 | 6780.1 |
| 22.5° | 6001.9 | 6106.0 | 6185.7 | 6274.5 | 6342.0 | 6403.1 | 6461.4 | 6522.7 | 6593.2 | 6666.7 | 6740.2 |
| 25° | 5888.5 | 5986.5 | 6072.4 | 6164.2 | 6231.6 | 6299.0 | 6354.2 | 6424.7 | 6489.0 | 6559.5 | 6617.6 |
| 27.5° | 5716.9 | 5821.0 | 5903.8 | 5998.8 | 6060.0 | 6124.4 | 6170.3 | 6228.6 | 6289.9 | 6348.0 | 6394.1 |
| 30° | 5459.6 | 5554.6 | 5640.3 | 5726.1 | 5787.4 | 5833.4 | 5882.3 | 5928.4 | 5968.2 | 6007.9 | 6047.8 |
| 32.5° | 5082.7 | 5168.6 | 5251.3 | 5330.9 | 5379.9 | 5419.8 | 5456.5 | 5484.1 | 5505.5 | 5527.0 | 5530.0 |
| 35° | 4565.0 | 4635.4 | 4687.5 | 4758.0 | 4804.0 | 4840.7 | 4840.7 | 4852.9 | 4849.9 | 4840.7 | 4831.5 |
| 37.5° | 3985.9 | 4013.4 | 4034.9 | 4062.5 | 4065.5 | 4065.5 | 4047.2 | 4031.8 | 4007.4 | 4001.2 | 3982.8 |
| 40° | 3382.4 | 3345.6 | 3318.0 | 3281.3 | 3259.8 | 3213.8 | 3174.1 | 3146.5 | 3106.6 | 3100.6 | 3094.4 |
| 42.5° | 2809.4 | 2723.6 | 2647.1 | 2582.8 | 2509.2 | 2444.8 | 2386.7 | 2343.8 | 2313.2 | 2310.0 | 2313.2 |
| 45° | 2343.8 | 2245.7 | 2132.3 | 2043.5 | 1960.8 | 1881.1 | 1804.6 | 1752.5 | 1724.9 | 1718.7 | 1724.9 |
| 47.5° | 1991.5 | 1878.1 | 1767.7 | 1666.6 | 1577.8 | 1488.9 | 1412.4 | 1341.9 | 1308.2 | 1299.0 | 1296.0 |
| 50° | 1712.6 | 1596.2 | 1479.7 | 1375.6 | 1277.6 | 1188.7 | 1093.7 | 1026.4 | 983.5 | 968.1 | 955.9 |
| 52.5° | 1440.0 | 1335.8 | 1216.3 | 1109.1 | 1011.0 | 906.8 | 808.8 | 732.2 | 689.3 | 671.0 | 658.6 |
| 55° | 1201.0 | 1096.9 | 986.5 | 882.4 | 778.2 | 674.0 | 575.9 | 502.4 | 456.5 | 435.1 | 419.7 |
| 57.5° | 958.9 | 860.9 | 766.0 | 661.8 | 575.9 | 474.9 | 376.8 | 312.5 | 272.6 | 248.2 | 235.9 |
| 60° | 741.4 | 664.8 | 582.1 | 496.4 | 413.6 | 330.9 | 251.2 | 189.9 | 159.3 | 141.0 | 125.6 |
| 62.5° | 560.7 | 496.4 | 441.1 | 367.6 | 303.3 | 232.8 | 171.6 | 122.6 | 95.0 | 79.7 | 73.5 |
| 65° | 404.4 | 355.4 | 306.3 | 260.4 | 214.5 | 162.4 | 116.4 | 79.7 | 55.1 | 45.9 | 42.9 |
| 67.5° | 288.0 | 248.2 | 211.4 | 180.7 | 147.0 | 116.4 | 82.7 | 55.1 | 42.9 | 36.8 | 33.7 |
| 70° | 202.1 | 171.6 | 147.0 | 119.5 | 98.0 | 76.5 | 64.3 | 39.8 | 24.5 | 27.6 | 21.4 |
| 72.5° | 134.8 | 113.4 | 101.1 | 82.7 | 67.3 | 55.1 | 39.8 | 27.6 | 27.6 | 21.4 | 18.4 |
| 75° | 73.5 | 67.3 | 52.1 | 39.8 | 33.7 | 30.6 | 12.2 | 6.2 | 3.0 | 9.2 | 3.0 |
| 77.5° | 52.1 | 45.9 | 39.8 | 33.7 | 27.6 | 21.4 | 12.2 | 12.2 | 9.2 | 12.2 | 6.2 |
| 80° | 33.7 | 27.6 | 24.5 | 24.5 | 15.3 | 9.2 | 6.2 | 6.2 | 9.2 | 3.0 | 3.0 |
| 82.5° | 21.4 | 18.4 | 15.3 | 15.3 | 15.3 | 9.2 | 9.2 | 9.2 | 9.2 | 6.2 | 6.2 |
| 85° | 12.2 | 9.2 | 6.2 | 6.2 | 3.0 | 6.2 | 0.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 87.5° | 6.2 | 3.0 | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 | 3.0 | 0.0 | 3.0 | 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: P250220

CATALOG NUMBER: LSR8B100D010 EC8B100835 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 | 6556.4 |
| 2.5° | 6608.4 | 6620.7 | 6636.1 | 6648.3 | 6675.9 | 6682.0 | 6694.3 | 6706.5 | 6715.8 | 6724.8 | 6728.0 |
| 5° | 6651.3 | 6697.3 | 6740.2 | 6786.1 | 6844.4 | 6884.2 | 6930.1 | 6970.0 | 7009.8 | 7043.5 | 7068.0 |
| 7.5° | 6663.7 | 6734.0 | 6798.5 | 6878.1 | 6963.8 | 7037.5 | 7114.0 | 7190.5 | 7270.2 | 7331.5 | 7383.6 |
| 10° | 6688.1 | 6773.9 | 6856.6 | 6951.6 | 7061.9 | 7159.9 | 7254.9 | 7356.0 | 7457.1 | 7542.9 | 7619.6 |
| 12.5° | 6731.0 | 6826.0 | 6914.9 | 7019.0 | 7132.4 | 7242.6 | 7346.8 | 7460.2 | 7567.5 | 7662.4 | 7748.2 |
| 15° | 6801.5 | 6890.3 | 6976.2 | 7074.1 | 7187.5 | 7288.7 | 7392.8 | 7503.0 | 7610.3 | 7708.3 | 7788.0 |
| 17.5° | 6847.4 | 6930.1 | 7015.9 | 7104.8 | 7199.7 | 7291.7 | 7389.7 | 7487.8 | 7585.8 | 7674.7 | 7748.2 |
| 20° | 6847.4 | 6927.1 | 6991.4 | 7071.1 | 7159.9 | 7239.6 | 7319.3 | 7405.0 | 7490.8 | 7564.3 | 7634.8 |
| 22.5° | 6792.3 | 6868.8 | 6917.9 | 6979.2 | 7055.7 | 7123.2 | 7166.1 | 7261.0 | 7325.4 | 7389.7 | 7441.7 |
| 25° | 6663.7 | 6718.8 | 6758.6 | 6801.5 | 6862.8 | 6908.7 | 6945.5 | 7000.6 | 7064.9 | 7089.5 | 7126.2 |
| 27.5° | 6430.8 | 6470.6 | 6492.0 | 6501.2 | 6531.9 | 6556.4 | 6562.5 | 6587.0 | 6614.6 | 6620.7 | 6636.1 |
| 30° | 6063.2 | 6066.2 | 6057.0 | 6054.0 | 6038.6 | 6020.3 | 6017.1 | 6014.1 | 6001.9 | 5989.6 | 5992.7 |
| 32.5° | 5508.5 | 5493.3 | 5456.5 | 5416.7 | 5376.9 | 5334.0 | 5309.4 | 5278.8 | 5260.4 | 5242.1 | 5220.6 |
| 35° | 4791.6 | 4754.9 | 4702.9 | 4653.8 | 4607.9 | 4574.1 | 4519.0 | 4500.6 | 4482.3 | 4457.7 | 4451.7 |
| 37.5° | 3949.1 | 3927.7 | 3878.6 | 3841.9 | 3817.5 | 3802.1 | 3774.5 | 3756.2 | 3756.2 | 3747.0 | 3740.8 |
| 40° | 3079.0 | 3072.9 | 3054.5 | 3063.7 | 3051.5 | 3057.6 | 3054.5 | 3048.4 | 3063.7 | 3063.7 | 3069.9 |
| 42.5° | 2310.0 | 2313.2 | 2322.4 | 2328.4 | 2346.8 | 2349.9 | 2365.2 | 2365.2 | 2374.4 | 2383.5 | 2389.7 |
| 45° | 1718.7 | 1731.1 | 1731.1 | 1743.3 | 1761.7 | 1764.7 | 1770.8 | 1773.9 | 1780.0 | 1795.4 | 1801.4 |
| 47.5° | 1289.8 | 1292.8 | 1292.8 | 1296.0 | 1302.0 | 1308.2 | 1305.2 | 1308.2 | 1317.4 | 1311.2 | 1317.4 |
| 50° | 952.9 | 955.9 | 946.7 | 937.5 | 946.7 | 946.7 | 943.6 | 934.4 | 943.6 | 931.4 | 937.5 |
| 52.5° | 649.6 | 646.4 | 637.2 | 640.4 | 634.2 | 631.2 | 631.2 | 625.0 | 625.0 | 625.0 | 612.7 |
| 55° | 410.6 | 410.6 | 404.4 | 404.4 | 401.4 | 395.2 | 392.2 | 389.0 | 386.0 | 383.0 | 383.0 |
| 57.5° | 229.8 | 232.8 | 223.7 | 220.6 | 223.7 | 220.6 | 214.5 | 214.5 | 214.5 | 205.3 | 211.4 |
| 60° | 125.6 | 122.6 | 119.5 | 116.4 | 113.4 | 116.4 | 116.4 | 110.3 | 110.3 | 110.3 | 113.4 |
| 62.5° | 67.3 | 67.3 | 64.3 | 64.3 | 61.3 | 61.3 | 67.3 | 58.3 | 61.3 | 58.3 | 61.3 |
| 65° | 36.8 | 45.9 | 33.7 | 33.7 | 42.9 | 39.8 | 36.8 | 36.8 | 39.8 | 33.7 | 36.8 |
| 67.5° | 39.8 | 27.6 | 24.5 | 27.6 | 24.5 | 24.5 | 24.5 | 30.6 | 27.6 | 21.4 | 27.6 |
| 70° | 18.4 | 21.4 | 21.4 | 15.3 | 24.5 | 12.2 | 21.4 | 12.2 | 18.4 | 15.3 | 18.4 |
| 72.5° | 18.4 | 18.4 | 18.4 | 12.2 | 18.4 | 12.2 | 15.3 | 15.3 | 12.2 | 12.2 | 18.4 |
| 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° | 6.2 | 6.2 | 3.0 | 3.0 | 3.0 | 3.0 | 6.2 | 6.2 | 6.2 | 0.0 | 3.0 |
| 80° | 6.2 | 6.2 | 0.0 | 3.0 | 0.0 | 0.0 | 3.0 | 0.0 | 3.0 | 0.0 | 6.2 |
| 82.5° | 3.0 | 6.2 | 3.0 | 3.0 | 6.2 | 6.2 | 6.2 | 3.0 | 3.0 | 3.0 | 3.0 |
| 85° | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 0.0 | 0.0 | 0.0 | 3.0 |
| 87.5° | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 3.0 | 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: P250220

CATALOG NUMBER: LSR8B100D010 EC8B100835 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 6556.4 | 6556.4 | 6556.4 | 6556.4 |
| 2.5° | 6731.0 | 6734.0 | 6740.2 | 6737.2 |
| 5° | 7086.4 | 7111.0 | 7123.2 | 7120.2 |
| 7.5° | 7420.3 | 7463.3 | 7487.8 | 7487.8 |
| 10° | 7677.7 | 7726.7 | 7763.4 | 7769.6 |
| 12.5° | 7815.5 | 7870.8 | 7919.8 | 7907.5 |
| 15° | 7855.4 | 7910.6 | 7959.5 | 7950.3 |
| 17.5° | 7809.5 | 7864.6 | 7901.4 | 7895.2 |
| 20° | 7683.9 | 7729.8 | 7766.6 | 7763.4 |
| 22.5° | 7487.8 | 7527.6 | 7558.3 | 7555.1 |
| 25° | 7156.9 | 7184.5 | 7209.0 | 7196.7 |
| 27.5° | 6648.3 | 6657.5 | 6672.8 | 6654.5 |
| 30° | 5971.2 | 5977.3 | 5983.5 | 5980.4 |
| 32.5° | 5211.4 | 5208.3 | 5202.2 | 5196.1 |
| 35° | 4442.4 | 4442.4 | 4445.5 | 4427.1 |
| 37.5° | 3743.8 | 3740.8 | 3750.0 | 3740.8 |
| 40° | 3076.0 | 3072.9 | 3085.2 | 3069.9 |
| 42.5° | 2398.9 | 2408.1 | 2411.1 | 2411.1 |
| 45° | 1804.6 | 1807.6 | 1810.6 | 1810.6 |
| 47.5° | 1317.4 | 1320.5 | 1335.8 | 1317.4 |
| 50° | 931.4 | 934.4 | 937.5 | 931.4 |
| 52.5° | 615.8 | 618.9 | 615.8 | 606.6 |
| 55° | 376.8 | 380.0 | 380.0 | 380.0 |
| 57.5° | 202.1 | 205.3 | 205.3 | 202.1 |
| 60° | 110.3 | 107.2 | 110.3 | 104.2 |
| 62.5° | 58.3 | 64.3 | 61.3 | 55.1 |
| 65° | 36.8 | 36.8 | 36.8 | 42.9 |
| 67.5° | 30.6 | 24.5 | 27.6 | 21.4 |
| 70° | 18.4 | 21.4 | 21.4 | 15.3 |
| 72.5° | 15.3 | 15.3 | 15.3 | 18.4 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 6.2 | 6.2 | 6.2 | 3.0 |
| 80° | 3.0 | 0.0 | 3.0 | 0.0 |
| 82.5° | 3.0 | 3.0 | 6.2 | 3.0 |
| 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)