

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: P249338

Luminaire Tested: **LSR8B100D010 EC8B100850 8LBDW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249338
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 EC8B100850 8LBDW0GPH
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10921.0 lumens
Efficiency: N/A
Efficacy: 102.7 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

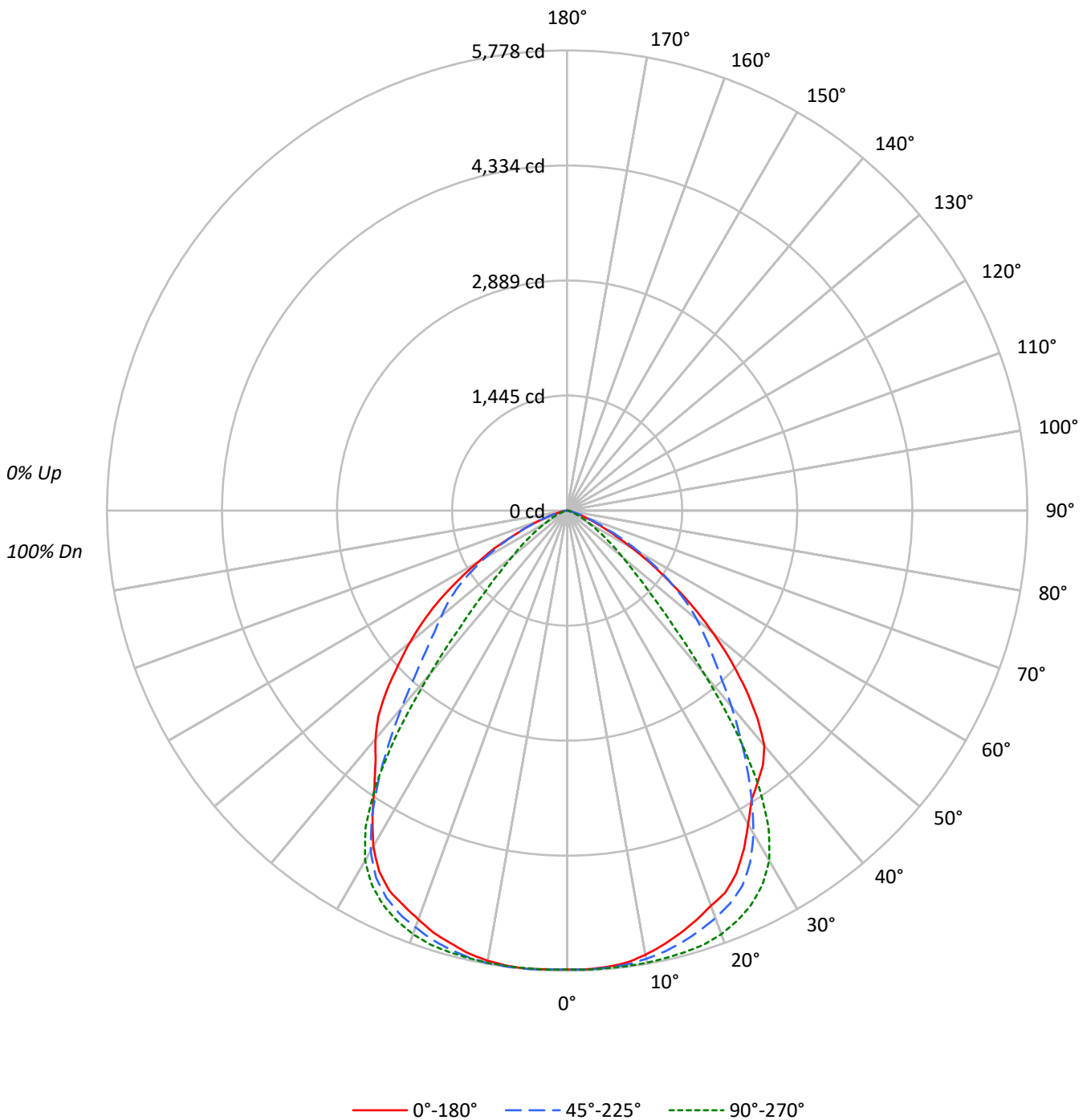
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249338

CATALOG NUMBER: LSR8B100D010 EC8B100850 8LBDW0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P249338

CATALOG NUMBER: LSR8B100D010 EC8B100850 8LBDW0GPH

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° | 177682 | 177682 | 177682 |
| 5° | 178073 | 178553 | 178744 |
| 10° | 177323 | 180520 | 179747 |
| 15° | 175359 | 183161 | 179707 |
| 20° | 173255 | 185735 | 179241 |
| 25° | 171005 | 185949 | 179426 |
| 30° | 161779 | 180722 | 173344 |
| 35° | 156950 | 157063 | 158697 |
| 40° | 155006 | 108066 | 150650 |
| 45° | 138119 | 64877 | 140007 |
| 50° | 114847 | 43180 | 123746 |
| 55° | 86131 | 29768 | 104921 |
| 60° | 58367 | 19834 | 79163 |
| 65° | 35206 | 12864 | 54388 |
| 70° | 19519 | 6969 | 33458 |
| 75° | 8840 | 2943 | 17323 |
| 80° | 7689 | 3285 | 12075 |
| 85° | 8739 | 4352 | 12065 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 549.9 | 5.0 |
| 10°-20° | 1597.0 | 14.6 |
| 20°-30° | 2424.0 | 22.2 |
| 30°-40° | 2545.9 | 23.3 |
| 40°-50° | 1908.8 | 17.5 |
| 50°-60° | 1224.7 | 11.2 |
| 60°-70° | 523.9 | 4.8 |
| 70°-80° | 123.8 | 1.1 |
| 80°-90° | 23.0 | 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° | 4570.9 | 41.9 |
| 0°-40° | 7116.8 | 65.2 |
| 0°-60° | 10250.3 | 93.9 |
| 0°-90° | 10921.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 10921.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 5762 | 5762 | 5762 | 5762 | 5762 | |
| 5° | 5753 | 5762 | 5768 | 5778 | 5774 | 546 |
| 15° | 5493 | 5608 | 5737 | 5700 | 5629 | 1549 |
| 25° | 5026 | 5202 | 5465 | 5366 | 5274 | 2296 |
| 35° | 4169 | 3937 | 4172 | 4123 | 4216 | 2617 |
| 45° | 3167 | 2589 | 1488 | 2515 | 3210 | 2426 |
| 55° | 1602 | 1602 | 554 | 1670 | 1952 | 1453 |
| 65° | 482 | 569 | 176 | 733 | 745 | 515 |
| 75° | 74 | 87 | 25 | 148 | 145 | 108 |
| 85° | 25 | 15 | 12 | 25 | 34 | 26 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P249338

CATALOG NUMBER: LSR8B100D010 EC8B100850 8LBDW0GPH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 |
| 2.5° | 5765.2 | 5771.4 | 5768.3 | 5768.3 | 5765.2 | 5768.3 | 5768.3 | 5774.5 | 5774.5 | 5768.3 | 5765.2 |
| 5° | 5752.8 | 5759.0 | 5759.0 | 5752.8 | 5752.8 | 5768.3 | 5759.0 | 5765.2 | 5765.2 | 5762.1 | 5762.1 |
| 7.5° | 5725.1 | 5725.1 | 5737.4 | 5728.2 | 5728.2 | 5737.4 | 5734.3 | 5740.5 | 5746.7 | 5749.8 | 5749.8 |
| 10° | 5663.1 | 5669.4 | 5672.5 | 5672.5 | 5675.6 | 5684.8 | 5691.0 | 5703.4 | 5709.5 | 5715.7 | 5718.8 |
| 12.5° | 5585.9 | 5595.1 | 5598.2 | 5595.1 | 5604.4 | 5616.8 | 5632.3 | 5647.7 | 5657.0 | 5669.4 | 5678.7 |
| 15° | 5493.0 | 5493.0 | 5499.2 | 5508.5 | 5514.7 | 5533.3 | 5548.7 | 5567.3 | 5592.0 | 5607.5 | 5623.0 |
| 17.5° | 5391.0 | 5397.2 | 5406.4 | 5406.4 | 5418.9 | 5449.7 | 5459.0 | 5486.9 | 5514.7 | 5530.2 | 5561.1 |
| 20° | 5279.7 | 5285.8 | 5295.1 | 5301.3 | 5316.8 | 5341.5 | 5360.1 | 5384.8 | 5415.7 | 5443.6 | 5474.5 |
| 22.5° | 5193.0 | 5180.7 | 5186.8 | 5193.0 | 5208.5 | 5230.2 | 5251.8 | 5282.7 | 5313.7 | 5341.5 | 5372.5 |
| 25° | 5026.0 | 5029.1 | 5038.4 | 5044.5 | 5063.2 | 5081.7 | 5106.4 | 5143.5 | 5171.4 | 5202.3 | 5236.3 |
| 27.5° | 4800.3 | 4803.4 | 4818.8 | 4818.8 | 4834.2 | 4865.2 | 4880.6 | 4911.6 | 4948.7 | 4979.6 | 5019.9 |
| 30° | 4543.5 | 4549.7 | 4549.7 | 4562.1 | 4571.3 | 4586.8 | 4602.3 | 4633.2 | 4651.8 | 4679.6 | 4735.3 |
| 32.5° | 4308.5 | 4314.6 | 4311.5 | 4308.5 | 4299.2 | 4296.1 | 4293.0 | 4299.2 | 4305.4 | 4314.6 | 4336.3 |
| 35° | 4169.3 | 4153.8 | 4141.5 | 4119.8 | 4095.1 | 4064.1 | 4036.3 | 3999.2 | 3965.1 | 3937.3 | 3906.4 |
| 37.5° | 4036.3 | 4033.2 | 4014.6 | 3983.7 | 3934.2 | 3878.6 | 3813.6 | 3733.2 | 3652.7 | 3566.2 | 3482.7 |
| 40° | 3850.7 | 3841.4 | 3826.0 | 3782.7 | 3727.0 | 3658.9 | 3572.4 | 3473.4 | 3343.4 | 3210.5 | 3074.4 |
| 42.5° | 3535.2 | 3538.3 | 3519.8 | 3485.7 | 3433.2 | 3368.2 | 3278.5 | 3170.3 | 3031.1 | 2873.3 | 2697.1 |
| 45° | 3167.2 | 3167.2 | 3161.0 | 3133.1 | 3096.0 | 3043.4 | 2975.4 | 2885.7 | 2749.6 | 2588.8 | 2400.1 |
| 47.5° | 2783.6 | 2786.7 | 2777.4 | 2771.3 | 2755.8 | 2721.8 | 2672.3 | 2604.3 | 2508.4 | 2353.7 | 2165.0 |
| 50° | 2394.0 | 2394.0 | 2409.4 | 2406.3 | 2406.3 | 2394.0 | 2372.3 | 2332.1 | 2248.6 | 2124.8 | 1948.6 |
| 52.5° | 2004.2 | 2010.4 | 2019.7 | 2032.1 | 2047.5 | 2072.2 | 2047.5 | 2029.0 | 1976.4 | 1880.5 | 1729.0 |
| 55° | 1602.1 | 1608.3 | 1623.8 | 1645.4 | 1664.0 | 1688.8 | 1694.9 | 1694.9 | 1667.1 | 1602.1 | 1487.7 |
| 57.5° | 1258.8 | 1249.5 | 1261.9 | 1280.5 | 1305.2 | 1330.0 | 1348.5 | 1370.2 | 1367.1 | 1323.8 | 1231.0 |
| 60° | 946.4 | 949.5 | 958.8 | 977.4 | 995.9 | 1017.6 | 1042.3 | 1060.9 | 1070.2 | 1048.5 | 989.7 |
| 62.5° | 689.7 | 689.7 | 702.1 | 720.6 | 729.9 | 760.9 | 776.3 | 785.6 | 794.9 | 791.8 | 754.7 |
| 65° | 482.5 | 488.7 | 494.9 | 504.2 | 513.4 | 532.0 | 541.3 | 559.8 | 566.0 | 569.1 | 541.3 |
| 67.5° | 340.3 | 330.9 | 337.1 | 343.3 | 352.6 | 365.0 | 383.5 | 383.5 | 392.8 | 392.8 | 374.2 |
| 70° | 216.5 | 216.5 | 219.6 | 228.9 | 235.1 | 238.2 | 244.4 | 250.5 | 259.8 | 256.7 | 256.7 |
| 72.5° | 145.4 | 142.3 | 145.4 | 148.5 | 151.6 | 160.8 | 160.8 | 163.9 | 170.1 | 173.2 | 160.8 |
| 75° | 74.2 | 77.3 | 83.5 | 80.4 | 89.7 | 83.5 | 86.6 | 95.9 | 92.8 | 86.6 | 86.6 |
| 77.5° | 61.8 | 61.8 | 61.8 | 58.8 | 64.9 | 64.9 | 61.8 | 68.0 | 64.9 | 64.9 | 61.8 |
| 80° | 43.3 | 46.4 | 43.3 | 40.2 | 43.3 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 37.1 |
| 82.5° | 34.1 | 27.8 | 31.0 | 27.8 | 31.0 | 31.0 | 27.8 | 24.7 | 24.7 | 27.8 | 24.7 |
| 85° | 24.7 | 18.5 | 21.6 | 21.6 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 15.4 | 15.4 |
| 87.5° | 15.4 | 9.3 | 9.3 | 9.3 | 12.3 | 12.3 | 12.3 | 9.3 | 12.3 | 12.3 | 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: P249338

CATALOG NUMBER: LSR8B100D010 EC8B100850 8LBDW0GPH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 |
| 2.5° | 5771.4 | 5768.3 | 5774.5 | 5771.4 | 5771.4 | 5768.3 | 5771.4 | 5768.3 | 5774.5 | 5762.1 | 5765.2 |
| 5° | 5771.4 | 5765.2 | 5768.3 | 5771.4 | 5774.5 | 5768.3 | 5768.3 | 5768.3 | 5774.5 | 5768.3 | 5771.4 |
| 7.5° | 5759.0 | 5755.9 | 5765.2 | 5771.4 | 5768.3 | 5765.2 | 5771.4 | 5768.3 | 5774.5 | 5771.4 | 5777.6 |
| 10° | 5734.3 | 5737.4 | 5743.6 | 5752.8 | 5755.9 | 5759.0 | 5765.2 | 5765.2 | 5774.5 | 5762.1 | 5768.3 |
| 12.5° | 5697.2 | 5709.5 | 5725.1 | 5731.2 | 5743.6 | 5743.6 | 5749.8 | 5752.8 | 5759.0 | 5755.9 | 5765.2 |
| 15° | 5650.8 | 5666.2 | 5684.8 | 5700.3 | 5715.7 | 5725.1 | 5734.3 | 5737.4 | 5746.7 | 5737.4 | 5740.5 |
| 17.5° | 5595.1 | 5613.7 | 5641.5 | 5660.0 | 5684.8 | 5694.1 | 5706.4 | 5712.6 | 5721.9 | 5715.7 | 5718.8 |
| 20° | 5517.8 | 5539.5 | 5570.4 | 5598.2 | 5613.7 | 5635.3 | 5650.8 | 5660.0 | 5666.2 | 5660.0 | 5663.1 |
| 22.5° | 5409.5 | 5440.5 | 5480.7 | 5502.3 | 5533.3 | 5551.8 | 5554.9 | 5576.6 | 5592.0 | 5576.6 | 5582.8 |
| 25° | 5282.7 | 5313.7 | 5344.6 | 5391.0 | 5418.9 | 5440.5 | 5462.1 | 5465.2 | 5480.7 | 5477.6 | 5474.5 |
| 27.5° | 5072.4 | 5112.7 | 5165.2 | 5202.3 | 5239.4 | 5273.5 | 5298.2 | 5304.4 | 5319.9 | 5313.7 | 5316.8 |
| 30° | 4784.7 | 4828.1 | 4877.6 | 4936.3 | 4988.9 | 5022.9 | 5053.9 | 5075.5 | 5090.9 | 5081.7 | 5078.6 |
| 32.5° | 4376.5 | 4419.8 | 4472.4 | 4531.1 | 4593.0 | 4642.5 | 4679.6 | 4707.5 | 4726.0 | 4719.8 | 4704.4 |
| 35° | 3909.5 | 3921.8 | 3955.9 | 4002.3 | 4054.8 | 4107.4 | 4141.5 | 4172.3 | 4194.0 | 4200.2 | 4200.2 |
| 37.5° | 3430.1 | 3389.9 | 3365.1 | 3365.1 | 3396.0 | 3417.7 | 3448.6 | 3467.2 | 3501.2 | 3513.6 | 3522.9 |
| 40° | 2966.1 | 2873.3 | 2786.7 | 2721.8 | 2678.5 | 2675.4 | 2675.4 | 2684.6 | 2715.6 | 2755.8 | 2792.9 |
| 42.5° | 2551.7 | 2403.2 | 2270.2 | 2149.6 | 2063.0 | 2013.5 | 1991.9 | 1995.0 | 2019.7 | 2056.8 | 2118.6 |
| 45° | 2220.7 | 2035.2 | 1868.1 | 1722.8 | 1605.2 | 1527.9 | 1490.8 | 1487.7 | 1506.2 | 1549.5 | 1617.6 |
| 47.5° | 1964.0 | 1766.0 | 1577.4 | 1410.4 | 1283.6 | 1200.0 | 1156.8 | 1144.4 | 1156.8 | 1196.9 | 1277.4 |
| 50° | 1750.6 | 1546.5 | 1351.6 | 1178.4 | 1042.3 | 955.8 | 915.5 | 900.1 | 915.5 | 949.5 | 1029.9 |
| 52.5° | 1552.6 | 1342.3 | 1159.9 | 992.8 | 847.5 | 773.2 | 729.9 | 720.6 | 729.9 | 770.1 | 835.1 |
| 55° | 1323.8 | 1144.4 | 965.0 | 798.0 | 671.2 | 597.0 | 562.9 | 553.7 | 562.9 | 600.1 | 668.1 |
| 57.5° | 1098.0 | 943.3 | 785.6 | 634.0 | 525.8 | 460.8 | 429.9 | 417.5 | 439.2 | 463.9 | 544.4 |
| 60° | 887.6 | 764.0 | 630.9 | 498.0 | 408.3 | 349.5 | 324.7 | 321.6 | 327.8 | 358.8 | 414.4 |
| 62.5° | 695.9 | 593.9 | 488.7 | 380.4 | 306.2 | 281.5 | 250.5 | 247.5 | 253.6 | 272.1 | 315.5 |
| 65° | 501.1 | 436.1 | 355.7 | 278.3 | 219.6 | 185.6 | 173.2 | 176.3 | 182.5 | 194.9 | 235.1 |
| 67.5° | 349.5 | 303.1 | 247.5 | 194.9 | 151.6 | 136.1 | 123.7 | 120.6 | 123.7 | 145.4 | 167.0 |
| 70° | 235.1 | 207.2 | 167.0 | 148.5 | 105.2 | 83.5 | 86.6 | 77.3 | 89.7 | 89.7 | 108.2 |
| 72.5° | 154.6 | 136.1 | 111.3 | 86.6 | 74.2 | 58.8 | 58.8 | 55.7 | 61.8 | 64.9 | 80.4 |
| 75° | 80.4 | 61.8 | 61.8 | 43.3 | 31.0 | 15.4 | 27.8 | 24.7 | 21.6 | 24.7 | 31.0 |
| 77.5° | 55.7 | 46.4 | 43.3 | 34.1 | 31.0 | 24.7 | 24.7 | 24.7 | 24.7 | 27.8 | 31.0 |
| 80° | 34.1 | 34.1 | 24.7 | 21.6 | 18.5 | 15.4 | 18.5 | 18.5 | 18.5 | 18.5 | 21.6 |
| 82.5° | 21.6 | 18.5 | 18.5 | 15.4 | 15.4 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 18.5 |
| 85° | 18.5 | 12.3 | 12.3 | 9.3 | 12.3 | 21.6 | 9.3 | 12.3 | 12.3 | 12.3 | 9.3 |
| 87.5° | 6.2 | 9.3 | 9.3 | 9.3 | 6.2 | 3.1 | 6.2 | 9.3 | 9.3 | 15.4 | 12.3 |
| 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: P249338

CATALOG NUMBER: LSR8B100D010 EC8B100850 8LBDW0GPH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 | 5762.1 |
| 2.5° | 5771.4 | 5774.5 | 5774.5 | 5771.4 | 5771.4 | 5765.2 | 5777.6 | 5768.3 | 5771.4 | 5783.8 | 5774.5 |
| 5° | 5777.6 | 5780.7 | 5780.7 | 5777.6 | 5777.6 | 5777.6 | 5780.7 | 5780.7 | 5777.6 | 5774.5 | 5780.7 |
| 7.5° | 5790.0 | 5786.9 | 5786.9 | 5780.7 | 5780.7 | 5774.5 | 5780.7 | 5771.4 | 5777.6 | 5771.4 | 5780.7 |
| 10° | 5774.5 | 5777.6 | 5774.5 | 5771.4 | 5771.4 | 5768.3 | 5768.3 | 5759.0 | 5762.1 | 5752.8 | 5759.0 |
| 12.5° | 5765.2 | 5762.1 | 5762.1 | 5755.9 | 5749.8 | 5743.6 | 5740.5 | 5731.2 | 5731.2 | 5709.5 | 5718.8 |
| 15° | 5740.5 | 5743.6 | 5734.3 | 5721.9 | 5715.7 | 5700.3 | 5694.1 | 5681.7 | 5669.4 | 5653.9 | 5657.0 |
| 17.5° | 5718.8 | 5709.5 | 5697.2 | 5684.8 | 5660.0 | 5647.7 | 5635.3 | 5616.8 | 5610.6 | 5592.0 | 5585.9 |
| 20° | 5653.9 | 5647.7 | 5632.3 | 5610.6 | 5595.1 | 5567.3 | 5554.9 | 5536.4 | 5520.9 | 5502.3 | 5493.0 |
| 22.5° | 5570.4 | 5564.2 | 5545.6 | 5524.0 | 5499.2 | 5486.9 | 5474.5 | 5440.5 | 5425.0 | 5406.4 | 5403.3 |
| 25° | 5465.2 | 5455.9 | 5437.4 | 5412.6 | 5400.2 | 5366.3 | 5353.8 | 5329.1 | 5323.0 | 5304.4 | 5301.3 |
| 27.5° | 5304.4 | 5292.0 | 5270.4 | 5239.4 | 5217.8 | 5196.1 | 5183.8 | 5165.2 | 5159.0 | 5140.4 | 5137.4 |
| 30° | 5063.2 | 5047.6 | 5004.4 | 4992.0 | 4954.9 | 4933.2 | 4933.2 | 4908.5 | 4911.6 | 4899.2 | 4899.2 |
| 32.5° | 4682.7 | 4658.0 | 4623.9 | 4599.2 | 4574.4 | 4562.1 | 4562.1 | 4552.8 | 4559.0 | 4559.0 | 4565.2 |
| 35° | 4178.5 | 4144.6 | 4126.0 | 4110.5 | 4110.5 | 4122.9 | 4160.0 | 4169.3 | 4187.9 | 4203.3 | 4215.7 |
| 37.5° | 3532.1 | 3529.1 | 3550.7 | 3569.3 | 3615.6 | 3668.2 | 3733.2 | 3788.9 | 3841.4 | 3878.6 | 3915.6 |
| 40° | 2833.1 | 2910.5 | 2972.3 | 3058.9 | 3130.0 | 3232.1 | 3349.6 | 3445.5 | 3535.2 | 3600.2 | 3668.2 |
| 42.5° | 2211.4 | 2310.4 | 2440.3 | 2567.1 | 2694.0 | 2833.1 | 2987.8 | 3120.8 | 3238.3 | 3328.0 | 3399.1 |
| 45° | 1722.8 | 1858.8 | 2016.6 | 2177.4 | 2341.4 | 2514.6 | 2675.4 | 2811.5 | 2935.2 | 3028.0 | 3099.1 |
| 47.5° | 1388.7 | 1537.2 | 1716.6 | 1892.9 | 2078.5 | 2260.9 | 2440.3 | 2557.9 | 2659.9 | 2734.1 | 2799.1 |
| 50° | 1147.4 | 1305.2 | 1493.9 | 1694.9 | 1880.5 | 2063.0 | 2217.6 | 2332.1 | 2415.6 | 2480.5 | 2520.7 |
| 52.5° | 958.8 | 1125.8 | 1326.9 | 1527.9 | 1713.5 | 1880.5 | 2019.7 | 2106.3 | 2174.3 | 2220.7 | 2257.8 |
| 55° | 791.8 | 952.6 | 1141.3 | 1330.0 | 1512.4 | 1670.2 | 1784.6 | 1849.6 | 1902.1 | 1930.0 | 1951.6 |
| 57.5° | 646.4 | 794.9 | 968.1 | 1141.3 | 1299.0 | 1429.0 | 1518.7 | 1583.6 | 1608.3 | 1630.0 | 1626.9 |
| 60° | 507.3 | 646.4 | 804.2 | 952.6 | 1088.7 | 1193.8 | 1258.8 | 1295.9 | 1314.5 | 1323.8 | 1317.6 |
| 62.5° | 399.0 | 525.8 | 646.4 | 776.3 | 875.3 | 965.0 | 1026.9 | 1026.9 | 1036.1 | 1039.2 | 1048.5 |
| 65° | 296.9 | 392.8 | 498.0 | 593.9 | 674.2 | 733.0 | 767.1 | 776.3 | 788.7 | 785.6 | 779.4 |
| 67.5° | 219.6 | 290.8 | 368.0 | 439.2 | 494.9 | 532.0 | 556.7 | 578.4 | 575.3 | 569.1 | 566.0 |
| 70° | 151.6 | 198.0 | 266.0 | 309.3 | 349.5 | 386.6 | 392.8 | 395.9 | 399.0 | 402.1 | 395.9 |
| 72.5° | 105.2 | 139.2 | 176.3 | 213.4 | 238.2 | 253.6 | 269.1 | 272.1 | 272.1 | 272.1 | 269.1 |
| 75° | 52.6 | 71.1 | 105.2 | 120.6 | 142.3 | 148.5 | 160.8 | 160.8 | 170.1 | 157.7 | 154.6 |
| 77.5° | 46.4 | 55.7 | 74.2 | 86.6 | 95.9 | 105.2 | 108.2 | 117.5 | 114.4 | 108.2 | 111.3 |
| 80° | 27.8 | 34.1 | 46.4 | 52.6 | 64.9 | 68.0 | 71.1 | 74.2 | 71.1 | 74.2 | 74.2 |
| 82.5° | 21.6 | 24.7 | 31.0 | 31.0 | 40.2 | 40.2 | 43.3 | 43.3 | 46.4 | 46.4 | 46.4 |
| 85° | 12.3 | 21.6 | 18.5 | 37.1 | 24.7 | 24.7 | 31.0 | 37.1 | 31.0 | 31.0 | 37.1 |
| 87.5° | 12.3 | 12.3 | 9.3 | 12.3 | 12.3 | 12.3 | 15.4 | 18.5 | 18.5 | 21.6 | 18.5 |
| 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: P249338

CATALOG NUMBER: LSR8B100D010 EC8B100850 8LBDW0GPH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 5762.1 | 5762.1 | 5762.1 | 5762.1 |
| 2.5° | 5771.4 | 5777.6 | 5768.3 | 5765.2 |
| 5° | 5780.7 | 5780.7 | 5774.5 | 5774.5 |
| 7.5° | 5780.7 | 5780.7 | 5771.4 | 5765.2 |
| 10° | 5755.9 | 5755.9 | 5746.7 | 5740.5 |
| 12.5° | 5709.5 | 5709.5 | 5706.4 | 5697.2 |
| 15° | 5650.8 | 5650.8 | 5638.4 | 5629.2 |
| 17.5° | 5570.4 | 5576.6 | 5561.1 | 5561.1 |
| 20° | 5483.8 | 5480.7 | 5468.3 | 5462.1 |
| 22.5° | 5394.1 | 5387.9 | 5384.8 | 5366.3 |
| 25° | 5298.2 | 5292.0 | 5282.7 | 5273.5 |
| 27.5° | 5134.3 | 5131.2 | 5121.9 | 5109.6 |
| 30° | 4883.7 | 4880.6 | 4868.3 | 4868.3 |
| 32.5° | 4559.0 | 4555.9 | 4543.5 | 4546.6 |
| 35° | 4221.8 | 4234.2 | 4228.0 | 4215.7 |
| 37.5° | 3940.4 | 3949.7 | 3955.9 | 3949.7 |
| 40° | 3705.3 | 3733.2 | 3736.3 | 3742.5 |
| 42.5° | 3454.8 | 3491.9 | 3504.3 | 3510.5 |
| 45° | 3154.8 | 3188.8 | 3216.7 | 3210.5 |
| 47.5° | 2848.6 | 2873.3 | 2898.1 | 2879.5 |
| 50° | 2554.8 | 2570.2 | 2579.5 | 2579.5 |
| 52.5° | 2276.4 | 2276.4 | 2273.3 | 2276.4 |
| 55° | 1957.8 | 1957.8 | 1945.5 | 1951.6 |
| 57.5° | 1623.8 | 1630.0 | 1620.7 | 1605.2 |
| 60° | 1314.5 | 1299.0 | 1292.8 | 1283.6 |
| 62.5° | 1023.8 | 1023.8 | 1002.1 | 1029.9 |
| 65° | 767.1 | 757.8 | 748.5 | 745.4 |
| 67.5° | 556.7 | 553.7 | 544.4 | 541.3 |
| 70° | 392.8 | 380.4 | 377.3 | 371.1 |
| 72.5° | 262.9 | 262.9 | 256.7 | 256.7 |
| 75° | 160.8 | 145.4 | 142.3 | 145.4 |
| 77.5° | 111.3 | 108.2 | 108.2 | 105.2 |
| 80° | 74.2 | 71.1 | 77.3 | 68.0 |
| 82.5° | 46.4 | 49.5 | 46.4 | 49.5 |
| 85° | 31.0 | 37.1 | 34.1 | 34.1 |
| 87.5° | 18.5 | 18.5 | 18.5 | 18.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)