

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: P246005

Luminaire Tested: **LSR8B50D010 EC8B50935 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246005  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B50D010 EC8B50935 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4646.0 lumens  
Efficiency: N/A  
Efficacy: 87.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

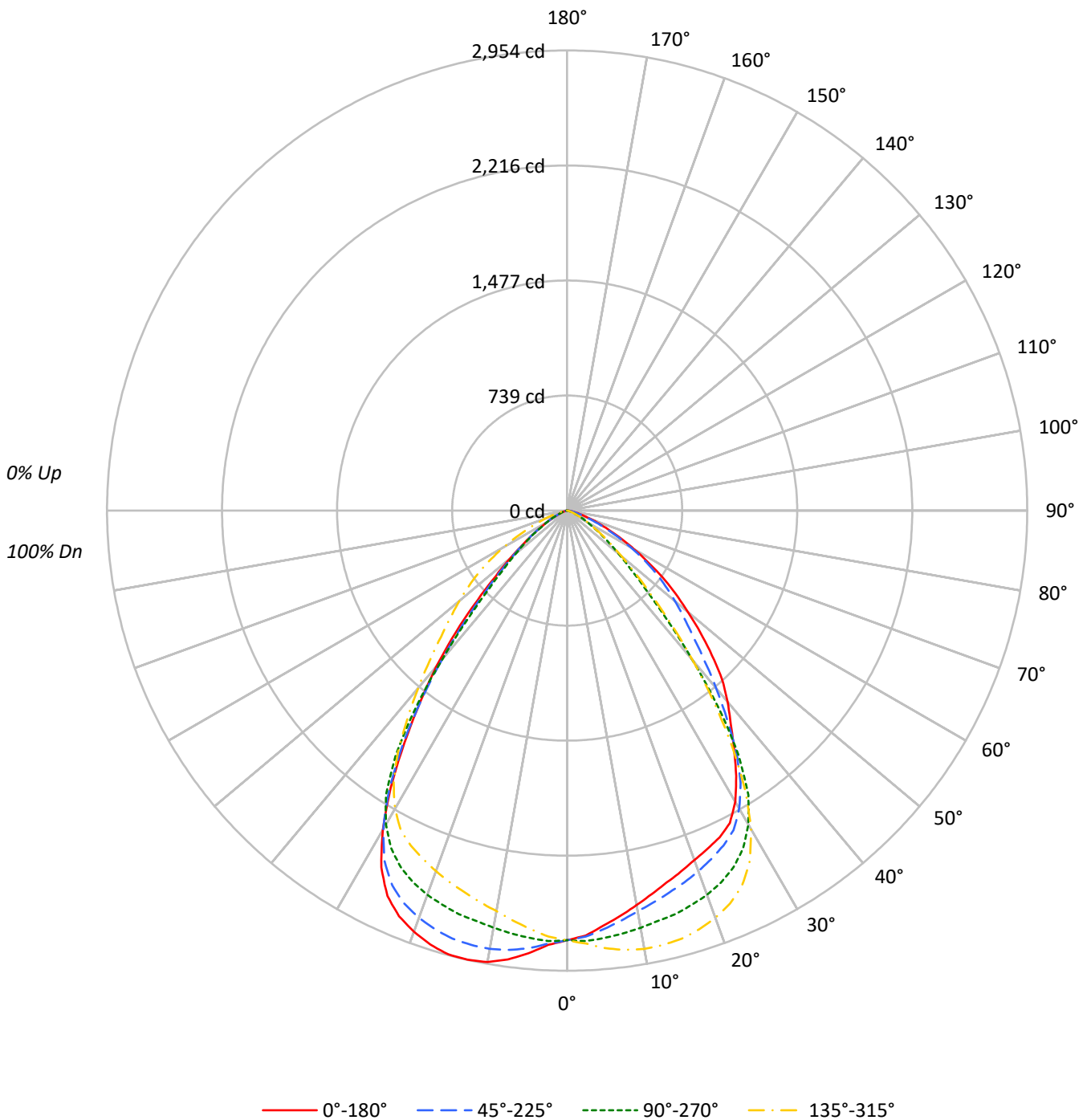
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44					44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

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

	0°	90°	180°	270°
0°	85053	85053	85053	85053
5°	82793	85251	88297	85251
10°	80503	85140	92142	85140
15°	78894	85646	94157	85646
20°	78356	86137	94400	86137
25°	78769	85962	92882	85962
30°	76821	82818	84302	82818
35°	70267	72243	68543	72243
40°	64515	50253	52479	50253
45°	57324	30657	35472	30657
50°	48520	20480	22744	20480
55°	40187	13973	14768	13973
60°	30651	9300	9387	9300
65°	21714	5793	5305	5793
70°	15661	3886	3525	3886
75°	9948	1930	1608	1930
80°	6943	1438	1190	1438
85°	6192	0	460	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.5	5.7
10°-20°	760.2	16.4
20°-30°	1151.2	24.8
30°-40°	1153.7	24.8
40°-50°	724.5	15.6
50°-60°	386.1	8.3
60°-70°	158.8	3.4
70°-80°	41.9	0.9
80°-90°	7.1	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°	2173.9	46.8
0°-40°	3327.6	71.6
0°-60°	4438.2	95.5
0°-90°	4646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4646.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2758	2758	2758	2758	2758	
5°	2675	2754	2852	2754	2675	252
15°	2471	2683	2949	2683	2471	699
25°	2315	2526	2730	2526	2315	1062
35°	1867	1919	1821	1919	1867	1169
45°	1314	703	813	703	1314	1011
55°	748	260	275	260	748	666
65°	298	79	73	79	298	309
75°	84	16	14	16	84	95
85°	18	0	1	0	18	19
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°	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2
2.5°	2729.9	2727.2	2725.9	2728.6	2729.9	2735.3	2734.0	2736.6	2736.6	2738.0	2740.7
5°	2674.7	2673.3	2674.7	2674.7	2680.1	2685.5	2684.1	2688.2	2690.8	2697.6	2700.3
7.5°	2623.5	2623.5	2622.1	2627.5	2630.2	2638.3	2636.9	2643.7	2647.8	2654.5	2663.9
10°	2571.0	2571.0	2572.3	2576.4	2577.7	2589.8	2589.8	2599.3	2604.6	2611.4	2623.5
12.5°	2519.8	2519.8	2527.9	2525.2	2530.6	2540.0	2544.0	2553.5	2561.6	2575.0	2587.2
15°	2471.3	2471.3	2474.0	2480.7	2484.8	2496.9	2503.6	2514.4	2523.9	2537.3	2554.9
17.5°	2429.6	2428.2	2429.6	2437.7	2445.8	2456.5	2461.9	2475.4	2484.8	2502.3	2518.5
20°	2387.8	2390.5	2390.5	2397.3	2402.6	2416.1	2421.5	2436.3	2447.1	2463.2	2482.1
22.5°	2351.5	2350.1	2350.1	2359.6	2363.6	2375.7	2381.1	2394.5	2406.7	2420.1	2437.7
25°	2315.1	2312.4	2317.8	2319.1	2321.8	2335.3	2339.3	2348.7	2360.9	2373.0	2390.5
27.5°	2261.2	2258.6	2259.9	2265.3	2269.3	2280.1	2282.8	2292.2	2301.6	2312.4	2327.2
30°	2157.5	2154.8	2153.5	2162.9	2167.0	2175.0	2179.1	2195.2	2197.9	2210.0	2220.8
32.5°	2020.1	2018.8	2021.5	2029.6	2033.6	2044.4	2049.8	2059.2	2065.9	2072.7	2083.4
35°	1866.6	1863.9	1866.6	1874.7	1874.7	1884.2	1888.2	1892.2	1890.9	1892.2	1889.5
37.5°	1723.9	1722.5	1723.9	1727.9	1723.9	1727.9	1723.9	1715.8	1701.0	1684.8	1668.6
40°	1602.7	1604.0	1596.0	1601.3	1586.5	1583.8	1569.0	1548.8	1519.2	1486.9	1441.1
42.5°	1473.4	1469.3	1464.0	1466.6	1454.5	1445.1	1420.8	1395.3	1357.5	1303.7	1248.4
45°	1314.5	1313.1	1310.4	1309.1	1301.0	1291.6	1271.3	1241.7	1200.0	1144.8	1078.7
47.5°	1159.6	1155.5	1155.5	1156.9	1147.4	1146.1	1129.9	1104.4	1068.0	1014.1	945.4
50°	1011.4	1010.1	1012.8	1018.2	1011.4	1008.7	998.0	980.5	948.1	902.4	837.7
52.5°	878.1	876.7	879.5	886.2	883.5	886.2	875.4	861.9	840.4	795.9	739.4
55°	747.5	747.5	747.5	755.5	755.5	755.5	750.1	742.1	721.9	689.5	637.0
57.5°	611.4	612.8	620.9	622.2	620.9	623.6	622.2	614.1	600.7	577.8	537.4
60°	497.0	497.0	501.0	505.1	503.7	505.1	505.1	501.0	487.5	468.7	436.4
62.5°	393.3	397.3	394.6	397.3	402.7	397.3	394.6	391.9	382.5	370.4	343.4
65°	297.6	300.3	300.3	301.7	299.0	300.3	295.0	290.9	285.5	272.1	254.6
67.5°	226.3	226.3	226.3	226.3	224.9	223.6	222.2	218.2	208.8	203.4	184.5
70°	173.7	165.6	165.6	165.6	165.6	167.0	163.0	157.6	154.9	145.5	132.0
72.5°	115.8	118.5	115.8	115.8	113.1	114.5	109.1	106.4	103.7	98.3	90.2
75°	83.5	76.8	79.4	80.8	76.8	79.4	74.1	68.7	68.7	64.6	60.6
77.5°	53.9	52.6	53.9	55.2	53.9	52.6	49.8	47.1	47.1	45.8	41.7
80°	39.1	37.7	37.7	37.7	36.4	37.7	35.0	35.0	32.3	31.0	28.3
82.5°	25.6	25.6	24.2	25.6	24.2	25.6	21.6	21.6	21.6	20.2	17.5
85°	17.5	14.8	14.8	16.2	13.5	16.2	14.8	13.5	12.1	12.1	10.8
87.5°	8.1	9.4	8.1	9.4	8.1	8.1	9.4	8.1	8.1	5.4	5.4
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°	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2
2.5°	2744.7	2746.0	2746.0	2751.5	2754.1	2755.5	2755.5	2766.3	2762.2	2764.9	2767.6
5°	2705.7	2713.7	2716.4	2716.4	2731.2	2736.6	2742.0	2754.1	2755.5	2763.6	2773.0
7.5°	2667.9	2677.4	2682.8	2694.9	2704.3	2713.7	2729.9	2738.0	2746.0	2756.9	2768.9
10°	2631.6	2642.4	2653.1	2662.6	2677.4	2689.5	2700.3	2719.1	2728.6	2743.4	2759.5
12.5°	2596.6	2611.4	2620.8	2636.9	2653.1	2663.9	2680.1	2697.6	2712.4	2727.2	2746.0
15°	2565.6	2583.1	2593.9	2611.4	2628.9	2643.7	2661.2	2682.8	2693.5	2711.1	2728.6
17.5°	2531.9	2550.8	2564.3	2580.4	2602.0	2618.1	2633.0	2654.5	2667.9	2686.8	2707.0
20°	2496.9	2515.8	2531.9	2548.1	2569.7	2585.8	2603.3	2624.9	2639.7	2658.5	2674.7
22.5°	2455.2	2472.7	2490.2	2509.0	2530.6	2544.0	2564.3	2583.1	2599.3	2616.8	2633.0
25°	2401.3	2422.9	2436.3	2453.8	2471.3	2486.1	2507.7	2526.5	2540.0	2556.2	2571.0
27.5°	2338.0	2354.2	2364.9	2379.7	2397.3	2410.7	2426.9	2445.8	2459.2	2474.0	2484.8
30°	2230.2	2245.1	2254.5	2265.3	2282.8	2294.9	2308.4	2325.9	2335.3	2346.1	2355.5
32.5°	2088.8	2101.0	2106.3	2114.4	2126.6	2138.7	2149.5	2164.3	2168.3	2175.0	2175.0
35°	1884.2	1886.8	1885.5	1888.2	1893.6	1900.3	1909.7	1919.1	1924.5	1924.5	1920.5
37.5°	1644.4	1628.3	1610.8	1597.3	1593.2	1590.5	1596.0	1599.9	1605.4	1608.0	1601.3
40°	1395.3	1358.9	1319.8	1284.8	1260.6	1249.8	1245.8	1248.4	1248.4	1257.9	1257.9
42.5°	1181.1	1124.5	1066.7	1014.1	979.1	952.2	940.1	940.1	941.4	948.1	952.2
45°	1003.4	932.0	864.6	806.7	758.2	723.2	707.1	703.0	701.7	704.3	713.8
47.5°	867.3	793.3	723.2	651.9	600.7	565.7	550.8	545.4	540.0	545.4	546.8
50°	760.9	684.2	610.1	538.7	484.8	453.8	435.0	426.9	425.6	425.6	428.3
52.5°	663.9	592.6	518.5	445.8	389.2	359.6	342.1	338.0	332.7	338.0	338.0
55°	572.4	501.0	428.3	359.6	312.4	281.5	265.3	259.9	257.2	261.3	261.3
57.5°	472.7	412.1	344.8	282.8	235.7	214.1	202.0	195.3	193.9	196.6	193.9
60°	387.9	336.7	278.8	222.2	185.9	163.0	153.6	150.8	148.1	150.8	150.8
62.5°	307.0	264.0	216.8	173.7	142.7	126.6	115.8	115.8	114.5	114.5	115.8
65°	227.6	193.9	160.3	123.9	99.7	87.5	79.4	79.4	78.1	79.4	78.1
67.5°	165.6	142.7	115.8	90.2	71.4	64.6	59.3	55.2	57.9	55.2	53.9
70°	121.2	102.3	83.5	68.7	55.2	48.5	44.5	43.1	40.4	40.4	40.4
72.5°	80.8	68.7	56.5	44.5	36.4	29.6	28.3	25.6	22.9	24.2	26.9
75°	53.9	45.8	40.4	32.3	24.2	24.2	16.2	16.2	13.5	16.2	12.1
77.5°	37.7	31.0	24.2	20.2	16.2	14.8	10.8	10.8	9.4	9.4	9.4
80°	26.9	22.9	17.5	14.8	10.8	10.8	9.4	8.1	6.7	6.7	8.1
82.5°	16.2	12.1	12.1	10.8	6.7	5.4	4.0	5.4	2.7	2.7	2.7
85°	9.4	8.1	6.7	4.0	2.7	2.7	1.3	0.0	1.3	1.3	0.0
87.5°	5.4	2.7	2.7	1.3	0.0	1.3	1.3	0.0	0.0	0.0	2.7
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°	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2
2.5°	2774.4	2773.0	2775.7	2775.7	2783.8	2782.4	2786.5	2786.5	2783.8	2785.1	2790.5
5°	2783.8	2787.8	2795.9	2802.6	2814.7	2820.2	2826.9	2833.6	2835.0	2839.0	2843.1
7.5°	2783.8	2797.3	2806.7	2818.8	2835.0	2844.4	2859.2	2871.3	2876.7	2883.4	2891.5
10°	2778.4	2791.8	2809.3	2822.8	2843.1	2857.9	2872.7	2891.5	2899.6	2910.3	2921.2
12.5°	2767.6	2782.4	2801.3	2818.8	2841.7	2855.1	2874.0	2891.5	2903.6	2918.4	2930.6
15°	2751.5	2768.9	2786.5	2804.0	2828.2	2844.4	2861.9	2882.1	2894.2	2910.3	2921.2
17.5°	2725.9	2744.7	2760.9	2777.0	2799.9	2818.8	2835.0	2853.8	2865.9	2879.4	2894.2
20°	2694.9	2712.4	2729.9	2743.4	2766.3	2782.4	2799.9	2817.4	2826.9	2829.6	2852.5
22.5°	2655.9	2667.9	2681.4	2703.0	2716.4	2731.2	2747.4	2763.6	2773.0	2787.8	2795.9
25°	2591.2	2603.3	2618.1	2627.5	2643.7	2655.9	2672.0	2689.5	2694.9	2705.7	2713.7
27.5°	2501.0	2507.7	2514.4	2522.5	2531.9	2538.7	2548.1	2556.2	2561.6	2566.9	2572.3
30°	2358.2	2358.2	2358.2	2352.8	2356.8	2360.9	2362.2	2360.9	2360.9	2359.6	2359.6
32.5°	2169.6	2158.9	2146.7	2136.0	2131.9	2126.6	2123.8	2119.8	2113.1	2109.0	2110.4
35°	1915.1	1890.9	1876.1	1862.6	1851.8	1843.7	1839.7	1835.6	1834.3	1828.9	1823.5
37.5°	1597.3	1579.8	1569.0	1560.9	1551.5	1543.4	1544.7	1546.1	1550.1	1547.4	1548.8
40°	1260.6	1256.5	1260.6	1251.1	1248.4	1251.1	1257.9	1267.3	1272.7	1278.1	1287.5
42.5°	958.9	965.6	975.1	975.1	979.1	984.5	992.5	1007.4	1015.4	1024.9	1035.7
45°	721.9	730.0	742.1	746.1	748.8	755.5	765.0	777.1	782.5	790.5	800.0
47.5°	556.2	561.6	568.3	575.1	581.8	584.5	593.9	593.9	600.7	606.1	608.7
50°	433.7	439.0	444.4	448.5	451.2	455.2	457.9	461.9	463.3	466.0	467.3
52.5°	339.4	346.1	346.1	348.8	352.8	356.9	355.6	356.9	358.2	358.2	362.3
55°	265.3	265.3	269.4	269.4	272.1	270.7	272.1	272.1	272.1	272.1	273.4
57.5°	198.0	199.3	203.4	200.7	199.3	202.0	199.3	202.0	200.7	203.4	199.3
60°	152.2	152.2	153.6	153.6	154.9	154.9	154.9	153.6	153.6	152.2	152.2
62.5°	114.5	115.8	117.2	115.8	115.8	115.8	114.5	114.5	113.1	111.8	111.8
65°	76.8	75.4	78.1	75.4	76.8	76.8	75.4	76.8	72.7	74.1	72.7
67.5°	55.2	53.9	52.6	53.9	52.6	51.2	51.2	52.6	53.9	49.8	49.8
70°	36.4	37.7	36.4	37.7	39.1	39.1	37.7	36.4	37.7	35.0	36.4
72.5°	22.9	22.9	22.9	22.9	22.9	24.2	24.2	24.2	21.6	21.6	20.2
75°	10.8	14.8	12.1	10.8	14.8	14.8	13.5	13.5	12.1	12.1	12.1
77.5°	10.8	8.1	8.1	8.1	8.1	8.1	8.1	8.1	6.7	8.1	6.7
80°	5.4	5.4	5.4	4.0	5.4	5.4	6.7	5.4	5.4	4.0	6.7
82.5°	2.7	2.7	2.7	0.0	1.3	2.7	2.7	1.3	2.7	2.7	1.3
85°	0.0	0.0	0.0	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	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: P246005

CATALOG NUMBER: LSR8B50D010 EC8B50935 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2
2.5°	2789.2	2787.8	2789.2	2790.5	2789.2	2787.8	2789.2	2790.5	2785.1	2783.8	2786.5
5°	2848.4	2848.4	2851.1	2852.5	2851.1	2848.4	2848.4	2843.1	2839.0	2835.0	2833.6
7.5°	2899.6	2902.3	2905.0	2906.3	2905.0	2902.3	2899.6	2891.5	2883.4	2876.7	2871.3
10°	2930.6	2934.6	2940.0	2942.7	2940.0	2934.6	2930.6	2921.2	2910.3	2899.6	2891.5
12.5°	2944.1	2948.1	2954.8	2953.5	2954.8	2948.1	2944.1	2930.6	2918.4	2903.6	2891.5
15°	2934.6	2940.0	2946.7	2949.4	2946.7	2940.0	2934.6	2921.2	2910.3	2894.2	2882.1
17.5°	2905.0	2913.1	2917.1	2921.2	2917.1	2913.1	2905.0	2894.2	2879.4	2865.9	2853.8
20°	2864.6	2870.0	2875.4	2876.7	2875.4	2870.0	2864.6	2852.5	2829.6	2826.9	2817.4
22.5°	2806.7	2810.7	2822.8	2818.8	2822.8	2810.7	2806.7	2795.9	2787.8	2773.0	2763.6
25°	2723.1	2727.2	2728.6	2729.9	2728.6	2727.2	2723.1	2713.7	2705.7	2694.9	2689.5
27.5°	2579.1	2579.1	2581.7	2583.1	2581.7	2579.1	2579.1	2572.3	2566.9	2561.6	2556.2
30°	2360.9	2360.9	2360.9	2367.6	2360.9	2360.9	2360.9	2359.6	2359.6	2360.9	2360.9
32.5°	2109.0	2106.3	2103.7	2106.3	2103.7	2106.3	2109.0	2110.4	2109.0	2113.1	2119.8
35°	1823.5	1822.2	1826.2	1820.8	1826.2	1822.2	1823.5	1823.5	1828.9	1834.3	1835.6
37.5°	1550.1	1547.4	1552.8	1547.4	1552.8	1547.4	1550.1	1548.8	1547.4	1550.1	1546.1
40°	1290.2	1292.9	1292.9	1303.7	1292.9	1292.9	1290.2	1287.5	1278.1	1272.7	1267.3
42.5°	1041.1	1049.1	1046.4	1054.5	1046.4	1049.1	1041.1	1035.7	1024.9	1015.4	1007.4
45°	805.3	810.8	810.8	813.4	810.8	810.8	805.3	800.0	790.5	782.5	777.1
47.5°	618.1	618.1	618.1	619.5	618.1	618.1	618.1	608.7	606.1	600.7	593.9
50°	470.0	471.4	472.7	474.1	472.7	471.4	470.0	467.3	466.0	463.3	461.9
52.5°	360.9	362.3	359.6	362.3	359.6	362.3	360.9	362.3	358.2	358.2	356.9
55°	273.4	272.1	273.4	274.7	273.4	272.1	273.4	273.4	272.1	272.1	272.1
57.5°	200.7	198.0	198.0	198.0	198.0	198.0	200.7	199.3	203.4	200.7	202.0
60°	149.5	150.8	150.8	152.2	150.8	150.8	149.5	152.2	152.2	153.6	153.6
62.5°	110.4	114.5	111.8	114.5	111.8	114.5	110.4	111.8	111.8	113.1	114.5
65°	71.4	71.4	71.4	72.7	71.4	71.4	71.4	72.7	74.1	72.7	76.8
67.5°	48.5	49.8	52.6	51.2	52.6	49.8	48.5	49.8	49.8	53.9	52.6
70°	39.1	35.0	35.0	39.1	35.0	35.0	39.1	36.4	35.0	37.7	36.4
72.5°	22.9	20.2	22.9	22.9	22.9	20.2	22.9	20.2	21.6	21.6	24.2
75°	12.1	10.8	9.4	13.5	9.4	10.8	12.1	12.1	12.1	12.1	13.5
77.5°	8.1	6.7	9.4	9.4	9.4	6.7	8.1	6.7	8.1	6.7	8.1
80°	4.0	5.4	4.0	6.7	4.0	5.4	4.0	6.7	4.0	5.4	5.4
82.5°	1.3	2.7	2.7	2.7	2.7	2.7	1.3	1.3	2.7	2.7	1.3
85°	0.0	2.7	1.3	1.3	1.3	2.7	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	0.0	0.0	1.3	0.0	0.0	1.3	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: P246005

CATALOG NUMBER: LSR8B50D010 EC8B50935 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2
2.5°	2786.5	2782.4	2783.8	2775.7	2775.7	2773.0	2774.4	2767.6	2764.9	2762.2	2766.3
5°	2826.9	2820.2	2814.7	2802.6	2795.9	2787.8	2783.8	2773.0	2763.6	2755.5	2754.1
7.5°	2859.2	2844.4	2835.0	2818.8	2806.7	2797.3	2783.8	2768.9	2756.9	2746.0	2738.0
10°	2872.7	2857.9	2843.1	2822.8	2809.3	2791.8	2778.4	2759.5	2743.4	2728.6	2719.1
12.5°	2874.0	2855.1	2841.7	2818.8	2801.3	2782.4	2767.6	2746.0	2727.2	2712.4	2697.6
15°	2861.9	2844.4	2828.2	2804.0	2786.5	2768.9	2751.5	2728.6	2711.1	2693.5	2682.8
17.5°	2835.0	2818.8	2799.9	2777.0	2760.9	2744.7	2725.9	2707.0	2686.8	2667.9	2654.5
20°	2799.9	2782.4	2766.3	2743.4	2729.9	2712.4	2694.9	2674.7	2658.5	2639.7	2624.9
22.5°	2747.4	2731.2	2716.4	2703.0	2681.4	2667.9	2655.9	2633.0	2616.8	2599.3	2583.1
25°	2672.0	2655.9	2643.7	2627.5	2618.1	2603.3	2591.2	2571.0	2556.2	2540.0	2526.5
27.5°	2548.1	2538.7	2531.9	2522.5	2514.4	2507.7	2501.0	2484.8	2474.0	2459.2	2445.8
30°	2362.2	2360.9	2356.8	2352.8	2358.2	2358.2	2358.2	2355.5	2346.1	2335.3	2325.9
32.5°	2123.8	2126.6	2131.9	2136.0	2146.7	2158.9	2169.6	2175.0	2175.0	2168.3	2164.3
35°	1839.7	1843.7	1851.8	1862.6	1876.1	1890.9	1915.1	1920.5	1924.5	1924.5	1919.1
37.5°	1544.7	1543.4	1551.5	1560.9	1569.0	1579.8	1597.3	1601.3	1608.0	1605.4	1599.9
40°	1257.9	1251.1	1248.4	1251.1	1260.6	1256.5	1260.6	1257.9	1257.9	1248.4	1248.4
42.5°	992.5	984.5	979.1	975.1	975.1	965.6	958.9	952.2	948.1	941.4	940.1
45°	765.0	755.5	748.8	746.1	742.1	730.0	721.9	713.8	704.3	701.7	703.0
47.5°	593.9	584.5	581.8	575.1	568.3	561.6	556.2	546.8	545.4	540.0	545.4
50°	457.9	455.2	451.2	448.5	444.4	439.0	433.7	428.3	425.6	425.6	426.9
52.5°	355.6	356.9	352.8	348.8	346.1	346.1	339.4	338.0	338.0	332.7	338.0
55°	272.1	270.7	272.1	269.4	269.4	265.3	265.3	261.3	261.3	257.2	259.9
57.5°	199.3	202.0	199.3	200.7	203.4	199.3	198.0	193.9	196.6	193.9	195.3
60°	154.9	154.9	154.9	153.6	153.6	152.2	152.2	150.8	150.8	148.1	150.8
62.5°	114.5	115.8	115.8	115.8	117.2	115.8	114.5	115.8	114.5	114.5	115.8
65°	75.4	76.8	76.8	75.4	78.1	75.4	76.8	78.1	79.4	78.1	79.4
67.5°	51.2	51.2	52.6	53.9	52.6	53.9	55.2	53.9	55.2	57.9	55.2
70°	37.7	39.1	39.1	37.7	36.4	37.7	36.4	40.4	40.4	40.4	43.1
72.5°	24.2	24.2	22.9	22.9	22.9	22.9	22.9	26.9	24.2	22.9	25.6
75°	13.5	14.8	14.8	10.8	12.1	14.8	10.8	12.1	16.2	13.5	16.2
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	10.8	9.4	9.4	9.4	10.8
80°	6.7	5.4	5.4	4.0	5.4	5.4	5.4	8.1	6.7	6.7	8.1
82.5°	2.7	2.7	1.3	0.0	2.7	2.7	2.7	2.7	2.7	2.7	5.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	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: P246005

CATALOG NUMBER: LSR8B50D010 EC8B50935 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2
2.5°	2755.5	2755.5	2754.1	2751.5	2746.0	2746.0	2744.7	2740.7	2738.0	2736.6	2736.6
5°	2742.0	2736.6	2731.2	2716.4	2716.4	2713.7	2705.7	2700.3	2697.6	2690.8	2688.2
7.5°	2729.9	2713.7	2704.3	2694.9	2682.8	2677.4	2667.9	2663.9	2654.5	2647.8	2643.7
10°	2700.3	2689.5	2677.4	2662.6	2653.1	2642.4	2631.6	2623.5	2611.4	2604.6	2599.3
12.5°	2680.1	2663.9	2653.1	2636.9	2620.8	2611.4	2596.6	2587.2	2575.0	2561.6	2553.5
15°	2661.2	2643.7	2628.9	2611.4	2593.9	2583.1	2565.6	2554.9	2537.3	2523.9	2514.4
17.5°	2633.0	2618.1	2602.0	2580.4	2564.3	2550.8	2531.9	2518.5	2502.3	2484.8	2475.4
20°	2603.3	2585.8	2569.7	2548.1	2531.9	2515.8	2496.9	2482.1	2463.2	2447.1	2436.3
22.5°	2564.3	2544.0	2530.6	2509.0	2490.2	2472.7	2455.2	2437.7	2420.1	2406.7	2394.5
25°	2507.7	2486.1	2471.3	2453.8	2436.3	2422.9	2401.3	2390.5	2373.0	2360.9	2348.7
27.5°	2426.9	2410.7	2397.3	2379.7	2364.9	2354.2	2338.0	2327.2	2312.4	2301.6	2292.2
30°	2308.4	2294.9	2282.8	2265.3	2254.5	2245.1	2230.2	2220.8	2210.0	2197.9	2195.2
32.5°	2149.5	2138.7	2126.6	2114.4	2106.3	2101.0	2088.8	2083.4	2072.7	2065.9	2059.2
35°	1909.7	1900.3	1893.6	1888.2	1885.5	1886.8	1884.2	1889.5	1892.2	1890.9	1892.2
37.5°	1596.0	1590.5	1593.2	1597.3	1610.8	1628.3	1644.4	1668.6	1684.8	1701.0	1715.8
40°	1245.8	1249.8	1260.6	1284.8	1319.8	1358.9	1395.3	1441.1	1486.9	1519.2	1548.8
42.5°	940.1	952.2	979.1	1014.1	1066.7	1124.5	1181.1	1248.4	1303.7	1357.5	1395.3
45°	707.1	723.2	758.2	806.7	864.6	932.0	1003.4	1078.7	1144.8	1200.0	1241.7
47.5°	550.8	565.7	600.7	651.9	723.2	793.3	867.3	945.4	1014.1	1068.0	1104.4
50°	435.0	453.8	484.8	538.7	610.1	684.2	760.9	837.7	902.4	948.1	980.5
52.5°	342.1	359.6	389.2	445.8	518.5	592.6	663.9	739.4	795.9	840.4	861.9
55°	265.3	281.5	312.4	359.6	428.3	501.0	572.4	637.0	689.5	721.9	742.1
57.5°	202.0	214.1	235.7	282.8	344.8	412.1	472.7	537.4	577.8	600.7	614.1
60°	153.6	163.0	185.9	222.2	278.8	336.7	387.9	436.4	468.7	487.5	501.0
62.5°	115.8	126.6	142.7	173.7	216.8	264.0	307.0	343.4	370.4	382.5	391.9
65°	79.4	87.5	99.7	123.9	160.3	193.9	227.6	254.6	272.1	285.5	290.9
67.5°	59.3	64.6	71.4	90.2	115.8	142.7	165.6	184.5	203.4	208.8	218.2
70°	44.5	48.5	55.2	68.7	83.5	102.3	121.2	132.0	145.5	154.9	157.6
72.5°	28.3	29.6	36.4	44.5	56.5	68.7	80.8	90.2	98.3	103.7	106.4
75°	16.2	24.2	24.2	32.3	40.4	45.8	53.9	60.6	64.6	68.7	68.7
77.5°	10.8	14.8	16.2	20.2	24.2	31.0	37.7	41.7	45.8	47.1	47.1
80°	9.4	10.8	10.8	14.8	17.5	22.9	26.9	28.3	31.0	32.3	35.0
82.5°	4.0	5.4	6.7	10.8	12.1	12.1	16.2	17.5	20.2	21.6	21.6
85°	1.3	2.7	2.7	4.0	6.7	8.1	9.4	10.8	12.1	12.1	13.5
87.5°	1.3	1.3	0.0	1.3	2.7	2.7	5.4	5.4	5.4	8.1	8.1
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: P246005

CATALOG NUMBER: LSR8B50D010 EC8B50935 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2
2.5°	2734.0	2735.3	2729.9	2728.6	2725.9	2727.2	2729.9
5°	2684.1	2685.5	2680.1	2674.7	2674.7	2673.3	2674.7
7.5°	2636.9	2638.3	2630.2	2627.5	2622.1	2623.5	2623.5
10°	2589.8	2589.8	2577.7	2576.4	2572.3	2571.0	2571.0
12.5°	2544.0	2540.0	2530.6	2525.2	2527.9	2519.8	2519.8
15°	2503.6	2496.9	2484.8	2480.7	2474.0	2471.3	2471.3
17.5°	2461.9	2456.5	2445.8	2437.7	2429.6	2428.2	2429.6
20°	2421.5	2416.1	2402.6	2397.3	2390.5	2390.5	2387.8
22.5°	2381.1	2375.7	2363.6	2359.6	2350.1	2350.1	2351.5
25°	2339.3	2335.3	2321.8	2319.1	2317.8	2312.4	2315.1
27.5°	2282.8	2280.1	2269.3	2265.3	2259.9	2258.6	2261.2
30°	2179.1	2175.0	2167.0	2162.9	2153.5	2154.8	2157.5
32.5°	2049.8	2044.4	2033.6	2029.6	2021.5	2018.8	2020.1
35°	1888.2	1884.2	1874.7	1874.7	1866.6	1863.9	1866.6
37.5°	1723.9	1727.9	1723.9	1727.9	1723.9	1722.5	1723.9
40°	1569.0	1583.8	1586.5	1601.3	1596.0	1604.0	1602.7
42.5°	1420.8	1445.1	1454.5	1466.6	1464.0	1469.3	1473.4
45°	1271.3	1291.6	1301.0	1309.1	1310.4	1313.1	1314.5
47.5°	1129.9	1146.1	1147.4	1156.9	1155.5	1155.5	1159.6
50°	998.0	1008.7	1011.4	1018.2	1012.8	1010.1	1011.4
52.5°	875.4	886.2	883.5	886.2	879.5	876.7	878.1
55°	750.1	755.5	755.5	755.5	747.5	747.5	747.5
57.5°	622.2	623.6	620.9	622.2	620.9	612.8	611.4
60°	505.1	505.1	503.7	505.1	501.0	497.0	497.0
62.5°	394.6	397.3	402.7	397.3	394.6	397.3	393.3
65°	295.0	300.3	299.0	301.7	300.3	300.3	297.6
67.5°	222.2	223.6	224.9	226.3	226.3	226.3	226.3
70°	163.0	167.0	165.6	165.6	165.6	165.6	173.7
72.5°	109.1	114.5	113.1	115.8	115.8	118.5	115.8
75°	74.1	79.4	76.8	80.8	79.4	76.8	83.5
77.5°	49.8	52.6	53.9	55.2	53.9	52.6	53.9
80°	35.0	37.7	36.4	37.7	37.7	37.7	39.1
82.5°	21.6	25.6	24.2	25.6	24.2	25.6	25.6
85°	14.8	16.2	13.5	16.2	14.8	14.8	17.5
87.5°	9.4	8.1	8.1	9.4	8.1	9.4	8.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)