

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: P245831

Luminaire Tested: **LSR8B50D010 EC8B50835 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245831
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 EC8B50835 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5095.0 lumens
Efficiency: N/A
Efficacy: 96.1 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

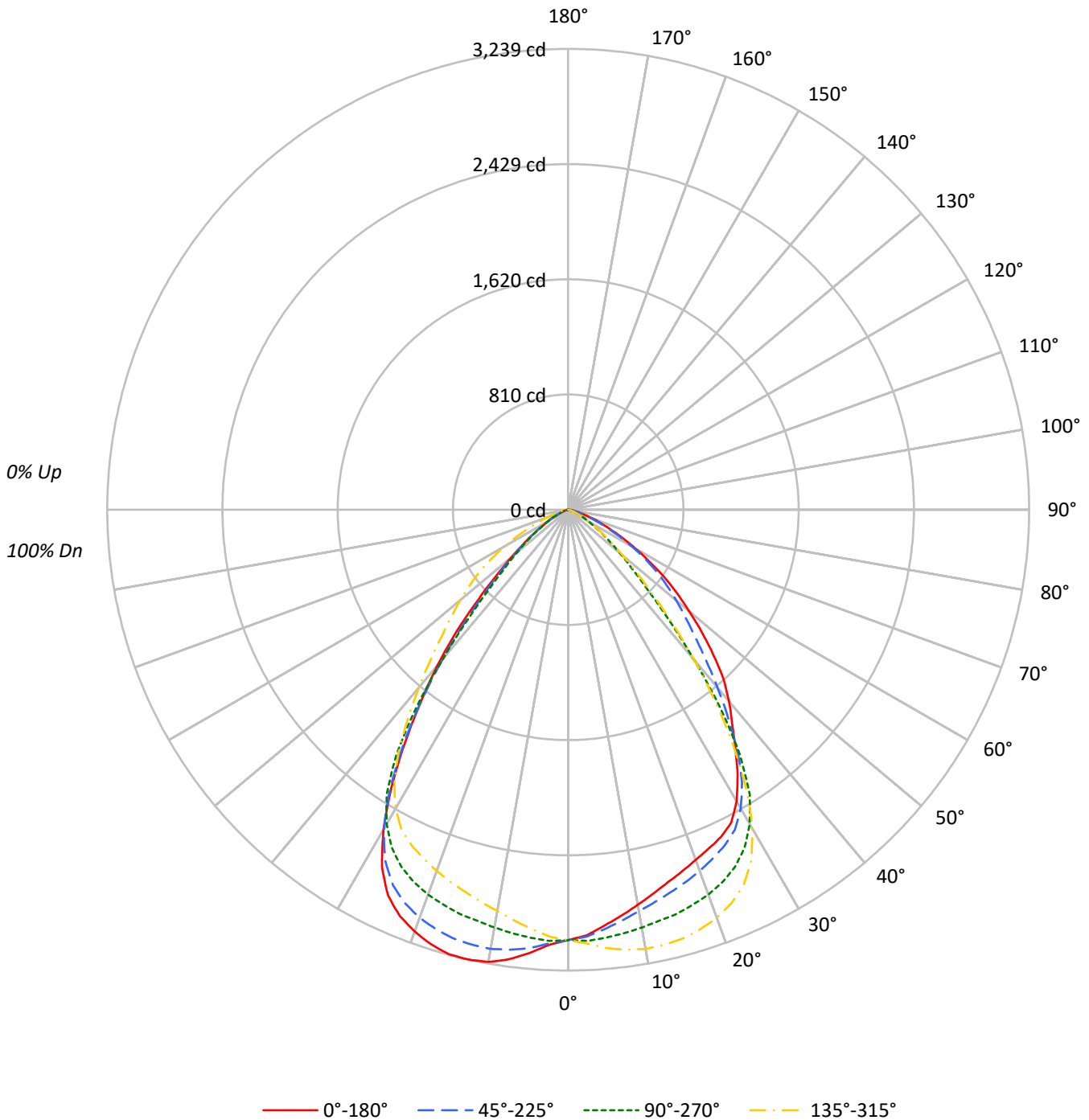
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	93271	93271	93271	93271
5°	90795	93491	96828	93491
10°	88281	93369	101047	93369
15°	86518	93924	103259	93924
20°	85930	94459	103522	94459
25°	86380	94271	101858	94271
30°	84245	90818	92453	90818
35°	77058	79226	75168	79226
40°	70746	55112	57551	55112
45°	62863	33623	38904	33623
50°	53207	22461	24941	22461
55°	44068	15327	16198	15327
60°	33612	10201	10293	10201
65°	23816	6355	5823	6355
70°	17175	4256	3868	4256
75°	10913	2121	1763	2121
80°	7618	1580	1314	1580
85°	6793	0	531	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.9	5.7
10°-20°	833.7	16.4
20°-30°	1262.4	24.8
30°-40°	1265.2	24.8
40°-50°	794.5	15.6
50°-60°	423.4	8.3
60°-70°	174.1	3.4
70°-80°	46.0	0.9
80°-90°	7.8	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°	2384.0	46.8
0°-40°	3649.2	71.6
0°-60°	4867.1	95.5
0°-90°	5095.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5095.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3025	3025	3025	3025	3025	
5°	2933	3020	3128	3020	2933	277
15°	2710	2942	3234	2942	2710	767
25°	2539	2771	2994	2771	2539	1164
35°	2047	2105	1997	2105	2047	1282
45°	1442	771	892	771	1442	1109
55°	820	285	301	285	820	731
65°	326	87	80	87	326	339
75°	92	18	15	18	92	104
85°	19	0	2	0	19	21
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°	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7
2.5°	2993.7	2990.8	2989.3	2992.3	2993.7	2999.6	2998.2	3001.1	3001.1	3002.6	3005.5
5°	2933.2	2931.7	2933.2	2933.2	2939.1	2945.0	2943.5	2948.0	2950.9	2958.3	2961.2
7.5°	2877.1	2877.1	2875.6	2881.5	2884.4	2893.3	2891.8	2899.2	2903.6	2911.0	2921.3
10°	2819.4	2819.4	2820.9	2825.3	2826.9	2840.1	2840.1	2850.5	2856.3	2863.8	2877.1
12.5°	2763.3	2763.3	2772.2	2769.2	2775.1	2785.5	2789.9	2800.2	2809.1	2823.9	2837.2
15°	2710.1	2710.1	2713.1	2720.5	2724.9	2738.2	2745.6	2757.4	2767.8	2782.5	2801.8
17.5°	2664.4	2662.9	2664.4	2673.2	2682.1	2693.9	2699.8	2714.6	2724.9	2744.1	2761.9
20°	2618.6	2621.6	2621.6	2628.9	2634.8	2649.6	2655.5	2671.8	2683.6	2701.3	2722.0
22.5°	2578.7	2577.3	2577.3	2587.6	2592.0	2605.3	2611.2	2625.9	2639.3	2654.0	2673.2
25°	2538.8	2535.9	2541.8	2543.3	2546.2	2561.0	2565.4	2575.7	2589.0	2602.4	2621.6
27.5°	2479.7	2476.8	2478.3	2484.2	2488.6	2500.4	2503.4	2513.7	2524.1	2535.9	2552.1
30°	2366.0	2363.1	2361.6	2372.0	2376.4	2385.2	2389.7	2407.4	2410.3	2423.6	2435.4
32.5°	2215.4	2213.9	2216.9	2225.7	2230.1	2242.0	2247.9	2258.2	2265.6	2273.0	2284.8
35°	2047.0	2044.1	2047.0	2055.9	2055.9	2066.2	2070.7	2075.1	2073.6	2075.1	2072.1
37.5°	1890.5	1889.0	1890.5	1894.9	1890.5	1894.9	1890.5	1881.6	1865.4	1847.6	1829.9
40°	1757.5	1759.0	1750.2	1756.1	1739.8	1736.9	1720.6	1698.5	1666.0	1630.5	1580.3
42.5°	1615.8	1611.3	1605.4	1608.4	1595.1	1584.7	1558.1	1530.1	1488.7	1429.7	1369.1
45°	1441.5	1440.0	1437.0	1435.6	1426.7	1416.4	1394.2	1361.7	1316.0	1255.4	1183.0
47.5°	1271.6	1267.2	1267.2	1268.7	1258.3	1256.9	1239.1	1211.1	1171.2	1112.1	1036.8
50°	1109.1	1107.7	1110.7	1116.6	1109.1	1106.2	1094.4	1075.2	1039.8	989.6	918.6
52.5°	962.9	961.5	964.5	971.8	968.8	971.8	960.0	945.2	921.6	872.8	810.8
55°	819.7	819.7	819.7	828.5	828.5	828.5	822.6	813.8	791.6	756.2	698.6
57.5°	670.5	672.0	680.9	682.3	680.9	683.8	682.3	673.4	658.7	633.6	589.3
60°	545.0	545.0	549.4	553.9	552.4	553.9	553.9	549.4	534.7	514.0	478.6
62.5°	431.3	435.7	432.7	435.7	441.6	435.7	432.7	429.8	419.5	406.1	376.6
65°	326.4	329.4	329.4	330.8	327.8	329.4	323.5	319.0	313.1	298.4	279.2
67.5°	248.2	248.2	248.2	248.2	246.6	245.2	243.7	239.3	228.9	223.0	202.3
70°	190.5	181.6	181.6	181.6	181.6	183.2	178.7	172.8	169.9	159.5	144.7
72.5°	127.0	130.0	127.0	127.0	124.1	125.5	119.6	116.7	113.7	107.8	99.0
75°	91.6	84.2	87.1	88.6	84.2	87.1	81.2	75.3	75.3	70.9	66.4
77.5°	59.1	57.6	59.1	60.5	59.1	57.6	54.7	51.7	51.7	50.2	45.8
80°	42.9	41.3	41.3	41.3	39.9	41.3	38.4	38.4	35.4	34.0	31.0
82.5°	28.1	28.1	26.6	28.1	26.6	28.1	23.6	23.6	23.6	22.1	19.2
85°	19.2	16.2	16.2	17.8	14.8	17.8	16.2	14.8	13.3	13.3	11.8
87.5°	8.9	10.3	8.9	10.3	8.9	8.9	10.3	8.9	8.9	5.9	5.9
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°	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7
2.5°	3010.0	3011.4	3011.4	3017.4	3020.3	3021.8	3021.8	3033.6	3029.2	3032.2	3035.1
5°	2967.2	2976.0	2979.0	2979.0	2995.2	3001.1	3007.0	3020.3	3021.8	3030.6	3041.0
7.5°	2925.8	2936.1	2942.1	2955.3	2965.7	2976.0	2993.7	3002.6	3011.4	3023.3	3036.5
10°	2885.9	2897.7	2909.5	2919.9	2936.1	2949.4	2961.2	2981.9	2992.3	3008.5	3026.2
12.5°	2847.5	2863.8	2874.1	2891.8	2909.5	2921.3	2939.1	2958.3	2974.5	2990.8	3011.4
15°	2813.6	2832.8	2844.6	2863.8	2883.0	2899.2	2918.4	2942.1	2953.9	2973.1	2992.3
17.5°	2776.6	2797.3	2812.1	2829.8	2853.4	2871.1	2887.4	2911.0	2925.8	2946.4	2968.6
20°	2738.2	2758.9	2776.6	2794.3	2818.0	2835.7	2854.9	2878.5	2894.8	2915.4	2933.2
22.5°	2692.5	2711.7	2730.8	2751.5	2775.1	2789.9	2812.1	2832.8	2850.5	2869.7	2887.4
25°	2633.4	2657.0	2671.8	2690.9	2710.1	2726.4	2750.0	2770.7	2785.5	2803.2	2819.4
27.5°	2563.9	2581.7	2593.5	2609.7	2628.9	2643.7	2661.4	2682.1	2696.9	2713.1	2724.9
30°	2445.8	2462.1	2472.4	2484.2	2503.4	2516.7	2531.5	2550.6	2561.0	2572.8	2583.2
32.5°	2290.7	2304.0	2309.9	2318.8	2332.1	2345.3	2357.2	2373.4	2377.9	2385.2	2385.2
35°	2066.2	2069.2	2067.7	2070.7	2076.6	2083.9	2094.3	2104.6	2110.5	2110.5	2106.1
37.5°	1803.3	1785.6	1766.4	1751.6	1747.2	1744.2	1750.2	1754.6	1760.5	1763.4	1756.1
40°	1530.1	1490.2	1447.4	1409.0	1382.4	1370.6	1366.2	1369.1	1369.1	1379.4	1379.4
42.5°	1295.3	1233.2	1169.7	1112.1	1073.7	1044.2	1030.9	1030.9	1032.4	1039.8	1044.2
45°	1100.3	1022.0	948.2	884.7	831.5	793.1	775.4	771.0	769.5	772.4	782.8
47.5°	951.1	869.9	793.1	714.8	658.7	620.3	604.1	598.1	592.2	598.1	599.6
50°	834.5	750.3	669.1	590.8	531.7	497.7	477.0	468.2	466.7	466.7	469.7
52.5°	728.1	649.9	568.6	488.9	426.8	394.4	375.1	370.7	364.8	370.7	370.7
55°	627.7	549.4	469.7	394.4	342.6	308.7	290.9	285.1	282.1	286.5	286.5
57.5°	518.4	451.9	378.1	310.2	258.5	234.8	221.5	214.2	212.6	215.6	212.6
60°	425.4	369.2	305.7	243.7	203.8	178.7	168.4	165.4	162.4	165.4	165.4
62.5°	336.7	289.5	237.8	190.5	156.5	138.8	127.0	127.0	125.5	125.5	127.0
65°	249.6	212.6	175.7	135.9	109.3	96.0	87.1	87.1	85.7	87.1	85.7
67.5°	181.6	156.5	127.0	99.0	78.3	70.9	65.0	60.5	63.5	60.5	59.1
70°	133.0	112.2	91.6	75.3	60.5	53.2	48.8	47.2	44.3	44.3	44.3
72.5°	88.6	75.3	62.0	48.8	39.9	32.5	31.0	28.1	25.1	26.6	29.5
75°	59.1	50.2	44.3	35.4	26.6	26.6	17.8	17.8	14.8	17.8	13.3
77.5°	41.3	34.0	26.6	22.1	17.8	16.2	11.8	11.8	10.3	10.3	10.3
80°	29.5	25.1	19.2	16.2	11.8	11.8	10.3	8.9	7.4	7.4	8.9
82.5°	17.8	13.3	13.3	11.8	7.4	5.9	4.4	5.9	3.0	3.0	3.0
85°	10.3	8.9	7.4	4.4	3.0	3.0	1.5	0.0	1.5	1.5	0.0
87.5°	5.9	3.0	3.0	1.5	0.0	1.5	1.5	0.0	0.0	0.0	3.0
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°	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7
2.5°	3042.5	3041.0	3044.0	3044.0	3052.8	3051.3	3055.7	3055.7	3052.8	3054.3	3060.2
5°	3052.8	3057.3	3066.1	3073.5	3086.7	3092.7	3100.1	3107.5	3108.9	3113.4	3117.8
7.5°	3052.8	3067.6	3077.9	3091.2	3108.9	3119.3	3135.5	3148.8	3154.7	3162.1	3170.9
10°	3046.9	3061.6	3080.9	3095.6	3117.8	3134.0	3150.3	3170.9	3179.8	3191.6	3203.5
12.5°	3035.1	3051.3	3072.0	3091.2	3116.3	3131.1	3151.7	3170.9	3184.3	3200.5	3213.8
15°	3017.4	3036.5	3055.7	3075.0	3101.5	3119.3	3138.5	3160.6	3173.9	3191.6	3203.5
17.5°	2989.3	3010.0	3027.7	3045.4	3070.5	3091.2	3108.9	3129.6	3142.9	3157.7	3173.9
20°	2955.3	2974.5	2993.7	3008.5	3033.6	3051.3	3070.5	3089.7	3100.1	3103.0	3128.1
22.5°	2912.5	2925.8	2940.5	2964.2	2979.0	2995.2	3012.9	3030.6	3041.0	3057.3	3066.1
25°	2841.6	2854.9	2871.1	2881.5	2899.2	2912.5	2930.2	2949.4	2955.3	2967.2	2976.0
27.5°	2742.7	2750.0	2757.4	2766.3	2776.6	2784.0	2794.3	2803.2	2809.1	2815.0	2820.9
30°	2586.1	2586.1	2586.1	2580.2	2584.6	2589.0	2590.5	2589.0	2589.0	2587.6	2587.6
32.5°	2379.3	2367.5	2354.2	2342.4	2338.0	2332.1	2329.1	2324.7	2317.3	2312.9	2314.3
35°	2100.2	2073.6	2057.4	2042.6	2030.8	2021.9	2017.5	2013.0	2011.6	2005.7	1999.7
37.5°	1751.6	1732.4	1720.6	1711.8	1701.4	1692.6	1694.0	1695.5	1699.9	1697.0	1698.5
40°	1382.4	1378.0	1382.4	1372.1	1369.1	1372.1	1379.4	1389.8	1395.7	1401.6	1411.9
42.5°	1051.6	1058.9	1069.3	1069.3	1073.7	1079.7	1088.5	1104.8	1113.6	1123.9	1135.8
45°	791.6	800.5	813.8	818.2	821.2	828.5	838.9	852.2	858.1	866.9	877.3
47.5°	610.0	615.9	623.2	630.7	638.0	641.0	651.3	651.3	658.7	664.6	667.6
50°	475.6	481.5	487.4	491.8	494.8	499.2	502.1	506.6	508.0	511.0	512.5
52.5°	372.2	379.6	379.6	382.5	386.9	391.4	389.9	391.4	392.8	392.8	397.3
55°	290.9	290.9	295.4	295.4	298.4	296.8	298.4	298.4	298.4	298.4	299.8
57.5°	217.1	218.6	223.0	220.1	218.6	221.5	218.6	221.5	220.1	223.0	218.6
60°	166.9	166.9	168.4	168.4	169.9	169.9	169.9	168.4	168.4	166.9	166.9
62.5°	125.5	127.0	128.5	127.0	127.0	127.0	125.5	125.5	124.1	122.6	122.6
65°	84.2	82.7	85.7	82.7	84.2	84.2	82.7	84.2	79.8	81.2	79.8
67.5°	60.5	59.1	57.6	59.1	57.6	56.1	56.1	57.6	59.1	54.7	54.7
70°	39.9	41.3	39.9	41.3	42.9	42.9	41.3	39.9	41.3	38.4	39.9
72.5°	25.1	25.1	25.1	25.1	25.1	26.6	26.6	26.6	23.6	23.6	22.1
75°	11.8	16.2	13.3	11.8	16.2	16.2	14.8	14.8	13.3	13.3	13.3
77.5°	11.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	7.4	8.9	7.4
80°	5.9	5.9	5.9	4.4	5.9	5.9	7.4	5.9	5.9	4.4	7.4
82.5°	3.0	3.0	3.0	0.0	1.5	3.0	3.0	1.5	3.0	3.0	1.5
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: P245831

CATALOG NUMBER: LSR8B50D010 EC8B50835 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7
2.5°	3058.7	3057.3	3058.7	3060.2	3058.7	3057.3	3058.7	3060.2	3054.3	3052.8	3055.7
5°	3123.7	3123.7	3126.6	3128.1	3126.6	3123.7	3123.7	3117.8	3113.4	3108.9	3107.5
7.5°	3179.8	3182.8	3185.7	3187.2	3185.7	3182.8	3179.8	3170.9	3162.1	3154.7	3148.8
10°	3213.8	3218.2	3224.1	3227.1	3224.1	3218.2	3213.8	3203.5	3191.6	3179.8	3170.9
12.5°	3228.6	3233.0	3240.4	3238.9	3240.4	3233.0	3228.6	3213.8	3200.5	3184.3	3170.9
15°	3218.2	3224.1	3231.5	3234.5	3231.5	3224.1	3218.2	3203.5	3191.6	3173.9	3160.6
17.5°	3185.7	3194.6	3199.0	3203.5	3199.0	3194.6	3185.7	3173.9	3157.7	3142.9	3129.6
20°	3141.4	3147.4	3153.3	3154.7	3153.3	3147.4	3141.4	3128.1	3103.0	3100.1	3089.7
22.5°	3077.9	3082.4	3095.6	3091.2	3095.6	3082.4	3077.9	3066.1	3057.3	3041.0	3030.6
25°	2986.3	2990.8	2992.3	2993.7	2992.3	2990.8	2986.3	2976.0	2967.2	2955.3	2949.4
27.5°	2828.3	2828.3	2831.2	2832.8	2831.2	2828.3	2828.3	2820.9	2815.0	2809.1	2803.2
30°	2589.0	2589.0	2589.0	2596.5	2589.0	2589.0	2589.0	2587.6	2587.6	2589.0	2589.0
32.5°	2312.9	2309.9	2307.0	2309.9	2307.0	2309.9	2312.9	2314.3	2312.9	2317.3	2324.7
35°	1999.7	1998.3	2002.7	1996.8	2002.7	1998.3	1999.7	1999.7	2005.7	2011.6	2013.0
37.5°	1699.9	1697.0	1702.9	1697.0	1702.9	1697.0	1699.9	1698.5	1697.0	1699.9	1695.5
40°	1414.9	1417.8	1417.8	1429.7	1417.8	1417.8	1414.9	1411.9	1401.6	1395.7	1389.8
42.5°	1141.7	1150.5	1147.6	1156.4	1147.6	1150.5	1141.7	1135.8	1123.9	1113.6	1104.8
45°	883.2	889.1	889.1	892.1	889.1	889.1	883.2	877.3	866.9	858.1	852.2
47.5°	677.9	677.9	677.9	679.4	677.9	677.9	677.9	667.6	664.6	658.7	651.3
50°	515.5	516.9	518.4	519.9	518.4	516.9	515.5	512.5	511.0	508.0	506.6
52.5°	395.8	397.3	394.4	397.3	394.4	397.3	395.8	397.3	392.8	392.8	391.4
55°	299.8	298.4	299.8	301.3	299.8	298.4	299.8	299.8	298.4	298.4	298.4
57.5°	220.1	217.1	217.1	217.1	217.1	217.1	220.1	218.6	223.0	220.1	221.5
60°	164.0	165.4	165.4	166.9	165.4	165.4	164.0	166.9	166.9	168.4	168.4
62.5°	121.1	125.5	122.6	125.5	122.6	125.5	121.1	122.6	122.6	124.1	125.5
65°	78.3	78.3	78.3	79.8	78.3	78.3	78.3	79.8	81.2	79.8	84.2
67.5°	53.2	54.7	57.6	56.1	57.6	54.7	53.2	54.7	54.7	59.1	57.6
70°	42.9	38.4	38.4	42.9	38.4	38.4	42.9	39.9	38.4	41.3	39.9
72.5°	25.1	22.1	25.1	25.1	25.1	22.1	25.1	22.1	23.6	23.6	26.6
75°	13.3	11.8	10.3	14.8	10.3	11.8	13.3	13.3	13.3	13.3	14.8
77.5°	8.9	7.4	10.3	10.3	10.3	7.4	8.9	7.4	8.9	7.4	8.9
80°	4.4	5.9	4.4	7.4	4.4	5.9	4.4	7.4	4.4	5.9	5.9
82.5°	1.5	3.0	3.0	3.0	3.0	3.0	1.5	1.5	3.0	3.0	1.5
85°	0.0	3.0	1.5	1.5	1.5	3.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	0.0	0.0	1.5	0.0	0.0	1.5	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: P245831

CATALOG NUMBER: LSR8B50D010 EC8B50835 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7
2.5°	3055.7	3051.3	3052.8	3044.0	3044.0	3041.0	3042.5	3035.1	3032.2	3029.2	3033.6
5°	3100.1	3092.7	3086.7	3073.5	3066.1	3057.3	3052.8	3041.0	3030.6	3021.8	3020.3
7.5°	3135.5	3119.3	3108.9	3091.2	3077.9	3067.6	3052.8	3036.5	3023.3	3011.4	3002.6
10°	3150.3	3134.0	3117.8	3095.6	3080.9	3061.6	3046.9	3026.2	3008.5	2992.3	2981.9
12.5°	3151.7	3131.1	3116.3	3091.2	3072.0	3051.3	3035.1	3011.4	2990.8	2974.5	2958.3
15°	3138.5	3119.3	3101.5	3075.0	3055.7	3036.5	3017.4	2992.3	2973.1	2953.9	2942.1
17.5°	3108.9	3091.2	3070.5	3045.4	3027.7	3010.0	2989.3	2968.6	2946.4	2925.8	2911.0
20°	3070.5	3051.3	3033.6	3008.5	2993.7	2974.5	2955.3	2933.2	2915.4	2894.8	2878.5
22.5°	3012.9	2995.2	2979.0	2964.2	2940.5	2925.8	2912.5	2887.4	2869.7	2850.5	2832.8
25°	2930.2	2912.5	2899.2	2881.5	2871.1	2854.9	2841.6	2819.4	2803.2	2785.5	2770.7
27.5°	2794.3	2784.0	2776.6	2766.3	2757.4	2750.0	2742.7	2724.9	2713.1	2696.9	2682.1
30°	2590.5	2589.0	2584.6	2580.2	2586.1	2586.1	2586.1	2583.2	2572.8	2561.0	2550.6
32.5°	2329.1	2332.1	2338.0	2342.4	2354.2	2367.5	2379.3	2385.2	2385.2	2377.9	2373.4
35°	2017.5	2021.9	2030.8	2042.6	2057.4	2073.6	2100.2	2106.1	2110.5	2110.5	2104.6
37.5°	1694.0	1692.6	1701.4	1711.8	1720.6	1732.4	1751.6	1756.1	1763.4	1760.5	1754.6
40°	1379.4	1372.1	1369.1	1372.1	1382.4	1378.0	1382.4	1379.4	1379.4	1369.1	1369.1
42.5°	1088.5	1079.7	1073.7	1069.3	1069.3	1058.9	1051.6	1044.2	1039.8	1032.4	1030.9
45°	838.9	828.5	821.2	818.2	813.8	800.5	791.6	782.8	772.4	769.5	771.0
47.5°	651.3	641.0	638.0	630.7	623.2	615.9	610.0	599.6	598.1	592.2	598.1
50°	502.1	499.2	494.8	491.8	487.4	481.5	475.6	469.7	466.7	466.7	468.2
52.5°	389.9	391.4	386.9	382.5	379.6	379.6	372.2	370.7	370.7	364.8	370.7
55°	298.4	296.8	298.4	295.4	295.4	290.9	290.9	286.5	286.5	282.1	285.1
57.5°	218.6	221.5	218.6	220.1	223.0	218.6	217.1	212.6	215.6	212.6	214.2
60°	169.9	169.9	169.9	168.4	168.4	166.9	166.9	165.4	165.4	162.4	165.4
62.5°	125.5	127.0	127.0	127.0	128.5	127.0	125.5	127.0	125.5	125.5	127.0
65°	82.7	84.2	84.2	82.7	85.7	82.7	84.2	85.7	87.1	85.7	87.1
67.5°	56.1	56.1	57.6	59.1	57.6	59.1	60.5	59.1	60.5	63.5	60.5
70°	41.3	42.9	42.9	41.3	39.9	41.3	39.9	44.3	44.3	44.3	47.2
72.5°	26.6	26.6	25.1	25.1	25.1	25.1	25.1	29.5	26.6	25.1	28.1
75°	14.8	16.2	16.2	11.8	13.3	16.2	11.8	13.3	17.8	14.8	17.8
77.5°	8.9	8.9	8.9	8.9	8.9	8.9	11.8	10.3	10.3	10.3	11.8
80°	7.4	5.9	5.9	4.4	5.9	5.9	5.9	8.9	7.4	7.4	8.9
82.5°	3.0	3.0	1.5	0.0	3.0	3.0	3.0	3.0	3.0	3.0	5.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P245831

CATALOG NUMBER: LSR8B50D010 EC8B50835 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7
2.5°	3021.8	3021.8	3020.3	3017.4	3011.4	3011.4	3010.0	3005.5	3002.6	3001.1	3001.1
5°	3007.0	3001.1	2995.2	2979.0	2979.0	2976.0	2967.2	2961.2	2958.3	2950.9	2948.0
7.5°	2993.7	2976.0	2965.7	2955.3	2942.1	2936.1	2925.8	2921.3	2911.0	2903.6	2899.2
10°	2961.2	2949.4	2936.1	2919.9	2909.5	2897.7	2885.9	2877.1	2863.8	2856.3	2850.5
12.5°	2939.1	2921.3	2909.5	2891.8	2874.1	2863.8	2847.5	2837.2	2823.9	2809.1	2800.2
15°	2918.4	2899.2	2883.0	2863.8	2844.6	2832.8	2813.6	2801.8	2782.5	2767.8	2757.4
17.5°	2887.4	2871.1	2853.4	2829.8	2812.1	2797.3	2776.6	2761.9	2744.1	2724.9	2714.6
20°	2854.9	2835.7	2818.0	2794.3	2776.6	2758.9	2738.2	2722.0	2701.3	2683.6	2671.8
22.5°	2812.1	2789.9	2775.1	2751.5	2730.8	2711.7	2692.5	2673.2	2654.0	2639.3	2625.9
25°	2750.0	2726.4	2710.1	2690.9	2671.8	2657.0	2633.4	2621.6	2602.4	2589.0	2575.7
27.5°	2661.4	2643.7	2628.9	2609.7	2593.5	2581.7	2563.9	2552.1	2535.9	2524.1	2513.7
30°	2531.5	2516.7	2503.4	2484.2	2472.4	2462.1	2445.8	2435.4	2423.6	2410.3	2407.4
32.5°	2357.2	2345.3	2332.1	2318.8	2309.9	2304.0	2290.7	2284.8	2273.0	2265.6	2258.2
35°	2094.3	2083.9	2076.6	2070.7	2067.7	2069.2	2066.2	2072.1	2075.1	2073.6	2075.1
37.5°	1750.2	1744.2	1747.2	1751.6	1766.4	1785.6	1803.3	1829.9	1847.6	1865.4	1881.6
40°	1366.2	1370.6	1382.4	1409.0	1447.4	1490.2	1530.1	1580.3	1630.5	1666.0	1698.5
42.5°	1030.9	1044.2	1073.7	1112.1	1169.7	1233.2	1295.3	1369.1	1429.7	1488.7	1530.1
45°	775.4	793.1	831.5	884.7	948.2	1022.0	1100.3	1183.0	1255.4	1316.0	1361.7
47.5°	604.1	620.3	658.7	714.8	793.1	869.9	951.1	1036.8	1112.1	1171.2	1211.1
50°	477.0	497.7	531.7	590.8	669.1	750.3	834.5	918.6	989.6	1039.8	1075.2
52.5°	375.1	394.4	426.8	488.9	568.6	649.9	728.1	810.8	872.8	921.6	945.2
55°	290.9	308.7	342.6	394.4	469.7	549.4	627.7	698.6	756.2	791.6	813.8
57.5°	221.5	234.8	258.5	310.2	378.1	451.9	518.4	589.3	633.6	658.7	673.4
60°	168.4	178.7	203.8	243.7	305.7	369.2	425.4	478.6	514.0	534.7	549.4
62.5°	127.0	138.8	156.5	190.5	237.8	289.5	336.7	376.6	406.1	419.5	429.8
65°	87.1	96.0	109.3	135.9	175.7	212.6	249.6	279.2	298.4	313.1	319.0
67.5°	65.0	70.9	78.3	99.0	127.0	156.5	181.6	202.3	223.0	228.9	239.3
70°	48.8	53.2	60.5	75.3	91.6	112.2	133.0	144.7	159.5	169.9	172.8
72.5°	31.0	32.5	39.9	48.8	62.0	75.3	88.6	99.0	107.8	113.7	116.7
75°	17.8	26.6	26.6	35.4	44.3	50.2	59.1	66.4	70.9	75.3	75.3
77.5°	11.8	16.2	17.8	22.1	26.6	34.0	41.3	45.8	50.2	51.7	51.7
80°	10.3	11.8	11.8	16.2	19.2	25.1	29.5	31.0	34.0	35.4	38.4
82.5°	4.4	5.9	7.4	11.8	13.3	13.3	17.8	19.2	22.1	23.6	23.6
85°	1.5	3.0	3.0	4.4	7.4	8.9	10.3	11.8	13.3	13.3	14.8
87.5°	1.5	1.5	0.0	1.5	3.0	3.0	5.9	5.9	5.9	8.9	8.9
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: P245831

CATALOG NUMBER: LSR8B50D010 EC8B50835 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7	3024.7
2.5°	2998.2	2999.6	2993.7	2992.3	2989.3	2990.8	2993.7
5°	2943.5	2945.0	2939.1	2933.2	2933.2	2931.7	2933.2
7.5°	2891.8	2893.3	2884.4	2881.5	2875.6	2877.1	2877.1
10°	2840.1	2840.1	2826.9	2825.3	2820.9	2819.4	2819.4
12.5°	2789.9	2785.5	2775.1	2769.2	2772.2	2763.3	2763.3
15°	2745.6	2738.2	2724.9	2720.5	2713.1	2710.1	2710.1
17.5°	2699.8	2693.9	2682.1	2673.2	2664.4	2662.9	2664.4
20°	2655.5	2649.6	2634.8	2628.9	2621.6	2621.6	2618.6
22.5°	2611.2	2605.3	2592.0	2587.6	2577.3	2577.3	2578.7
25°	2565.4	2561.0	2546.2	2543.3	2541.8	2535.9	2538.8
27.5°	2503.4	2500.4	2488.6	2484.2	2478.3	2476.8	2479.7
30°	2389.7	2385.2	2376.4	2372.0	2361.6	2363.1	2366.0
32.5°	2247.9	2242.0	2230.1	2225.7	2216.9	2213.9	2215.4
35°	2070.7	2066.2	2055.9	2055.9	2047.0	2044.1	2047.0
37.5°	1890.5	1894.9	1890.5	1894.9	1890.5	1889.0	1890.5
40°	1720.6	1736.9	1739.8	1756.1	1750.2	1759.0	1757.5
42.5°	1558.1	1584.7	1595.1	1608.4	1605.4	1611.3	1615.8
45°	1394.2	1416.4	1426.7	1435.6	1437.0	1440.0	1441.5
47.5°	1239.1	1256.9	1258.3	1268.7	1267.2	1267.2	1271.6
50°	1094.4	1106.2	1109.1	1116.6	1110.7	1107.7	1109.1
52.5°	960.0	971.8	968.8	971.8	964.5	961.5	962.9
55°	822.6	828.5	828.5	828.5	819.7	819.7	819.7
57.5°	682.3	683.8	680.9	682.3	680.9	672.0	670.5
60°	553.9	553.9	552.4	553.9	549.4	545.0	545.0
62.5°	432.7	435.7	441.6	435.7	432.7	435.7	431.3
65°	323.5	329.4	327.8	330.8	329.4	329.4	326.4
67.5°	243.7	245.2	246.6	248.2	248.2	248.2	248.2
70°	178.7	183.2	181.6	181.6	181.6	181.6	190.5
72.5°	119.6	125.5	124.1	127.0	127.0	130.0	127.0
75°	81.2	87.1	84.2	88.6	87.1	84.2	91.6
77.5°	54.7	57.6	59.1	60.5	59.1	57.6	59.1
80°	38.4	41.3	39.9	41.3	41.3	41.3	42.9
82.5°	23.6	28.1	26.6	28.1	26.6	28.1	28.1
85°	16.2	17.8	14.8	17.8	16.2	16.2	19.2
87.5°	10.3	8.9	8.9	10.3	8.9	10.3	8.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)