

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: P244577

Luminaire Tested: **LSR8B50D010 EC8B50950 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244577  
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 EC8B50950 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5077.0 lumens  
Efficiency: N/A  
Efficacy: 95.8 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

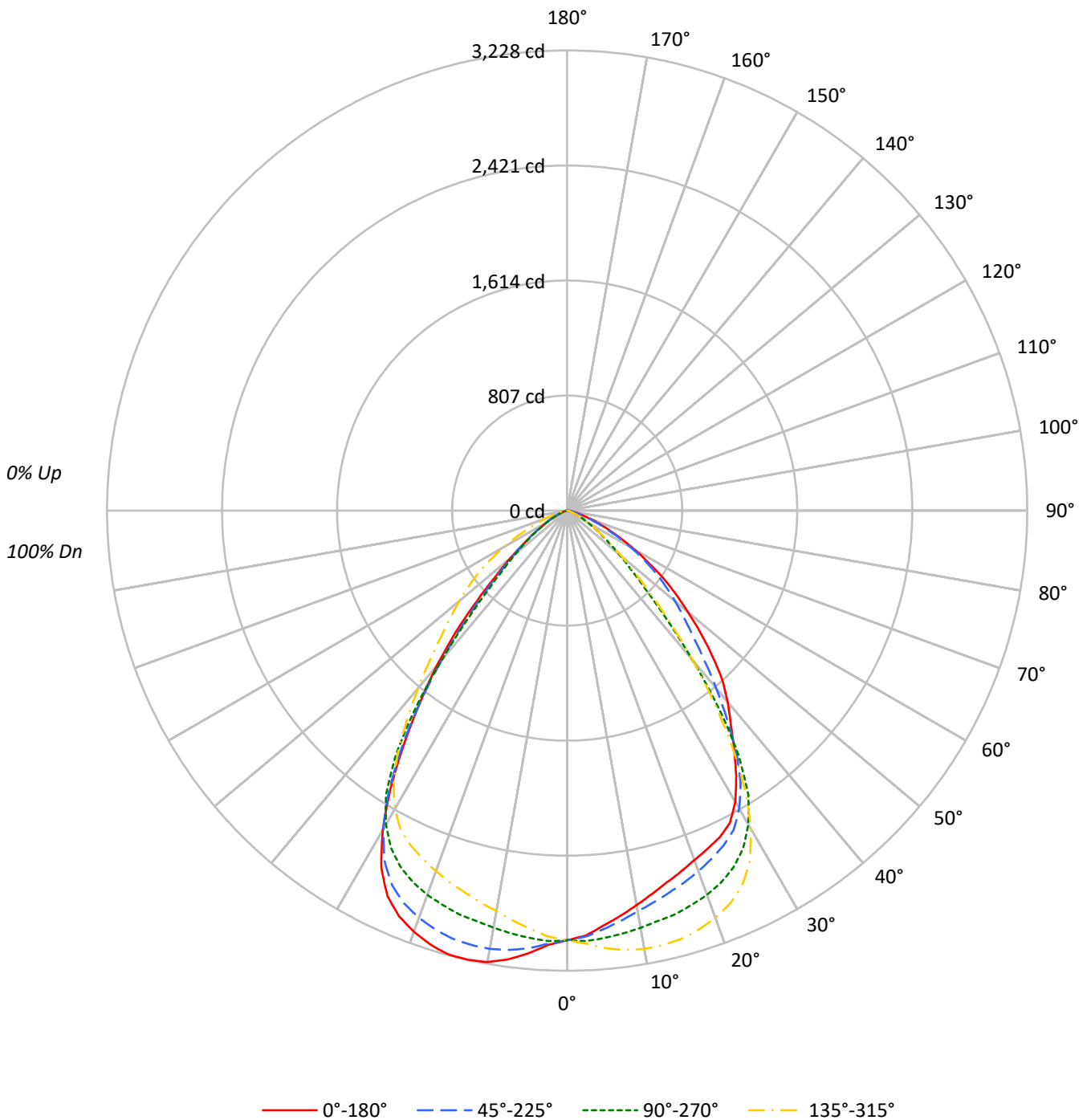
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	92944	92944	92944	92944
5°	90473	93159	96487	93159
10°	87971	93037	100690	93037
15°	86214	93592	102891	93592
20°	85625	94127	103158	94127
25°	86078	93937	101501	93937
30°	83946	90498	92125	90498
35°	76787	78947	74904	78947
40°	70497	54914	57346	54914
45°	62640	33501	38764	33501
50°	53020	22379	24855	22379
55°	43912	15268	16139	15268
60°	33494	10164	10256	10164
65°	23728	6333	5801	6333
70°	17112	4247	3850	4247
75°	10866	2109	1751	2109
80°	7583	1563	1296	1563
85°	6758	0	531	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.9	5.7
10°-20°	830.8	16.4
20°-30°	1257.9	24.8
30°-40°	1260.8	24.8
40°-50°	791.7	15.6
50°-60°	421.9	8.3
60°-70°	173.5	3.4
70°-80°	45.8	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°	2375.6	46.8
0°-40°	3636.3	71.6
0°-60°	4849.9	95.5
0°-90°	5077.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5077.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3014	3014	3014	3014	3014	
5°	2923	3010	3117	3010	2923	276
15°	2701	2932	3223	2932	2701	764
25°	2530	2761	2983	2761	2530	1160
35°	2040	2097	1990	2097	2040	1278
45°	1436	768	889	768	1436	1105
55°	817	284	300	284	817	728
65°	325	87	80	87	325	337
75°	91	18	15	18	91	103
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°	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1
2.5°	2983.2	2980.2	2978.7	2981.7	2983.2	2989.0	2987.6	2990.5	2990.5	2992.0	2994.9
5°	2922.8	2921.3	2922.8	2922.8	2928.7	2934.6	2933.1	2937.5	2940.5	2947.8	2950.8
7.5°	2866.9	2866.9	2865.4	2871.3	2874.2	2883.1	2881.6	2889.0	2893.4	2900.7	2911.0
10°	2809.5	2809.5	2810.9	2815.4	2816.9	2830.1	2830.1	2840.4	2846.3	2853.6	2866.9
12.5°	2753.6	2753.6	2762.4	2759.5	2765.3	2775.6	2780.0	2790.3	2799.2	2813.9	2827.2
15°	2700.6	2700.6	2703.5	2710.9	2715.3	2728.6	2735.9	2747.7	2758.0	2772.7	2791.9
17.5°	2655.0	2653.5	2655.0	2663.8	2672.6	2684.4	2690.3	2705.0	2715.3	2734.4	2752.1
20°	2609.3	2612.3	2612.3	2619.6	2625.5	2640.2	2646.1	2662.3	2674.1	2691.7	2712.4
22.5°	2569.6	2568.1	2568.1	2578.4	2582.9	2596.1	2602.0	2616.7	2629.9	2644.7	2663.8
25°	2529.9	2526.9	2532.8	2534.3	2537.2	2551.9	2556.3	2566.6	2579.9	2593.2	2612.3
27.5°	2471.0	2468.1	2469.5	2475.4	2479.8	2491.6	2494.5	2504.8	2515.1	2526.9	2543.1
30°	2357.6	2354.7	2353.3	2363.6	2368.0	2376.8	2381.2	2398.9	2401.8	2415.1	2426.8
32.5°	2207.5	2206.1	2209.1	2217.8	2222.3	2234.1	2239.9	2250.2	2257.6	2265.0	2276.7
35°	2039.8	2036.8	2039.8	2048.6	2048.6	2058.9	2063.4	2067.7	2066.3	2067.7	2064.8
37.5°	1883.8	1882.3	1883.8	1888.2	1883.8	1888.2	1883.8	1875.0	1858.8	1841.1	1823.4
40°	1751.3	1752.8	1744.0	1749.9	1733.6	1730.7	1714.6	1692.5	1660.1	1624.8	1574.8
42.5°	1610.1	1605.6	1599.8	1602.7	1589.5	1579.1	1552.6	1524.7	1483.5	1424.6	1364.2
45°	1436.4	1434.9	1432.0	1430.5	1421.7	1411.4	1389.3	1356.9	1311.3	1251.0	1178.8
47.5°	1267.1	1262.7	1262.7	1264.2	1253.9	1252.4	1234.7	1206.8	1167.1	1108.2	1033.1
50°	1105.2	1103.8	1106.7	1112.6	1105.2	1102.3	1090.6	1071.4	1036.1	986.1	915.4
52.5°	959.5	958.1	961.0	968.4	965.4	968.4	956.6	941.9	918.3	869.8	808.0
55°	816.8	816.8	816.8	825.6	825.6	825.6	819.7	810.9	788.8	753.5	696.1
57.5°	668.2	669.6	678.5	679.9	678.5	681.4	679.9	671.1	656.4	631.4	587.2
60°	543.1	543.1	547.5	551.9	550.4	551.9	551.9	547.5	532.8	512.2	476.9
62.5°	429.7	434.2	431.2	434.2	440.0	434.2	431.2	428.3	418.0	404.7	375.3
65°	325.2	328.2	328.2	329.7	326.7	328.2	322.3	317.9	312.0	297.3	278.2
67.5°	247.3	247.3	247.3	247.3	245.8	244.3	242.9	238.4	228.1	222.3	201.6
70°	189.8	181.0	181.0	181.0	181.0	182.5	178.1	172.2	169.3	159.0	144.2
72.5°	126.5	129.5	126.5	126.5	123.6	125.1	119.2	116.2	113.3	107.5	98.6
75°	91.2	83.9	86.8	88.3	83.9	86.8	80.9	75.1	75.1	70.6	66.2
77.5°	58.9	57.4	58.9	60.3	58.9	57.4	54.5	51.5	51.5	50.0	45.6
80°	42.7	41.2	41.2	41.2	39.7	41.2	38.3	38.3	35.3	33.9	30.9
82.5°	28.0	28.0	26.5	28.0	26.5	28.0	23.6	23.6	23.6	22.0	19.1
85°	19.1	16.2	16.2	17.7	14.7	17.7	16.2	14.7	13.3	13.3	11.8
87.5°	8.8	10.3	8.8	10.3	8.8	8.8	10.3	8.8	8.8	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°	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1
2.5°	2999.3	3000.8	3000.8	3006.7	3009.6	3011.1	3011.1	3022.9	3018.5	3021.4	3024.4
5°	2956.7	2965.5	2968.4	2968.4	2984.6	2990.5	2996.4	3009.6	3011.1	3019.9	3030.2
7.5°	2915.4	2925.7	2931.7	2944.9	2955.2	2965.5	2983.2	2992.0	3000.8	3012.6	3025.8
10°	2875.7	2887.5	2899.3	2909.6	2925.7	2939.0	2950.8	2971.3	2981.7	2997.9	3015.5
12.5°	2837.5	2853.6	2863.9	2881.6	2899.3	2911.0	2928.7	2947.8	2964.0	2980.2	3000.8
15°	2803.6	2822.8	2834.5	2853.6	2872.8	2889.0	2908.1	2931.7	2943.4	2962.6	2981.7
17.5°	2766.8	2787.4	2802.2	2819.8	2843.3	2861.0	2877.2	2900.7	2915.4	2936.0	2958.1
20°	2728.6	2749.2	2766.8	2784.5	2808.0	2825.7	2844.8	2868.4	2884.5	2905.1	2922.8
22.5°	2682.9	2702.1	2721.2	2741.8	2765.3	2780.0	2802.2	2822.8	2840.4	2859.5	2877.2
25°	2624.1	2647.6	2662.3	2681.4	2700.6	2716.7	2740.3	2760.9	2775.6	2793.3	2809.5
27.5°	2554.9	2572.6	2584.3	2600.5	2619.6	2634.4	2652.0	2672.6	2687.4	2703.5	2715.3
30°	2437.1	2453.4	2463.7	2475.4	2494.5	2507.8	2522.5	2541.6	2551.9	2563.7	2574.0
32.5°	2282.6	2295.9	2301.7	2310.6	2323.8	2337.0	2348.9	2365.0	2369.5	2376.8	2376.8
35°	2058.9	2061.8	2060.4	2063.4	2069.2	2076.6	2086.9	2097.2	2103.0	2103.0	2098.7
37.5°	1796.9	1779.3	1760.2	1745.5	1741.0	1738.1	1744.0	1748.4	1754.3	1757.2	1749.9
40°	1524.7	1485.0	1442.3	1404.0	1377.5	1365.8	1361.3	1364.2	1364.2	1374.5	1374.5
42.5°	1290.7	1228.9	1165.6	1108.2	1069.9	1040.5	1027.3	1027.3	1028.7	1036.1	1040.5
45°	1096.4	1018.4	944.8	881.6	828.6	790.3	772.7	768.2	766.8	769.7	780.0
47.5°	947.8	866.9	790.3	712.3	656.4	618.1	602.0	596.0	590.1	596.0	597.5
50°	831.5	747.6	666.7	588.7	529.8	495.9	475.3	466.5	465.0	465.0	468.0
52.5°	725.5	647.6	566.6	487.2	425.3	393.0	373.8	369.4	363.5	369.4	369.4
55°	625.5	547.5	468.0	393.0	341.4	307.6	289.9	284.0	281.1	285.5	285.5
57.5°	516.6	450.3	376.8	309.1	257.6	234.0	220.7	213.4	211.9	214.9	211.9
60°	423.9	367.9	304.6	242.9	203.1	178.1	167.8	164.8	161.9	164.8	164.8
62.5°	335.5	288.5	236.9	189.8	156.0	138.4	126.5	126.5	125.1	125.1	126.5
65°	248.7	211.9	175.1	135.4	108.9	95.7	86.8	86.8	85.4	86.8	85.4
67.5°	181.0	156.0	126.5	98.6	78.0	70.6	64.8	60.3	63.3	60.3	58.9
70°	132.5	111.8	91.2	75.1	60.3	53.0	48.6	47.1	44.2	44.2	44.2
72.5°	88.3	75.1	61.8	48.6	39.7	32.3	30.9	28.0	25.0	26.5	29.4
75°	58.9	50.0	44.2	35.3	26.5	26.5	17.7	17.7	14.7	17.7	13.3
77.5°	41.2	33.9	26.5	22.0	17.7	16.2	11.8	11.8	10.3	10.3	10.3
80°	29.4	25.0	19.1	16.2	11.8	11.8	10.3	8.8	7.3	7.3	8.8
82.5°	17.7	13.3	13.3	11.8	7.3	5.9	4.4	5.9	3.0	3.0	3.0
85°	10.3	8.8	7.3	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°	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1
2.5°	3031.7	3030.2	3033.2	3033.2	3042.0	3040.5	3044.9	3044.9	3042.0	3043.5	3049.4
5°	3042.0	3046.5	3055.2	3062.6	3075.8	3081.8	3089.1	3096.5	3098.0	3102.4	3106.8
7.5°	3042.0	3056.8	3067.1	3080.3	3098.0	3108.3	3124.4	3137.7	3143.6	3150.9	3159.7
10°	3036.1	3050.8	3070.0	3084.7	3106.8	3123.0	3139.1	3159.7	3168.6	3180.3	3192.1
12.5°	3024.4	3040.5	3061.1	3080.3	3105.3	3120.0	3140.6	3159.7	3173.0	3189.2	3202.4
15°	3006.7	3025.8	3044.9	3064.1	3090.6	3108.3	3127.4	3149.4	3162.7	3180.3	3192.1
17.5°	2978.7	2999.3	3017.0	3034.7	3059.7	3080.3	3098.0	3118.5	3131.8	3146.5	3162.7
20°	2944.9	2964.0	2983.2	2997.9	3022.9	3040.5	3059.7	3078.8	3089.1	3092.1	3117.1
22.5°	2902.2	2915.4	2930.2	2953.7	2968.4	2984.6	3002.3	3019.9	3030.2	3046.5	3055.2
25°	2831.5	2844.8	2861.0	2871.3	2889.0	2902.2	2919.9	2939.0	2944.9	2956.7	2965.5
27.5°	2733.0	2740.3	2747.7	2756.5	2766.8	2774.2	2784.5	2793.3	2799.2	2805.1	2810.9
30°	2576.9	2576.9	2576.9	2571.1	2575.5	2579.9	2581.4	2579.9	2579.9	2578.4	2578.4
32.5°	2370.9	2359.2	2345.9	2334.1	2329.7	2323.8	2320.9	2316.5	2309.1	2304.7	2306.2
35°	2092.7	2066.3	2050.1	2035.4	2023.6	2014.8	2010.4	2005.9	2004.5	1998.6	1992.7
37.5°	1745.5	1726.3	1714.6	1705.7	1695.4	1686.6	1688.0	1689.5	1693.9	1691.0	1692.5
40°	1377.5	1373.1	1377.5	1367.2	1364.2	1367.2	1374.5	1384.9	1390.8	1396.7	1407.0
42.5°	1047.9	1055.2	1065.5	1065.5	1069.9	1075.8	1084.6	1100.9	1109.6	1119.9	1131.8
45°	788.8	797.7	810.9	815.3	818.3	825.6	836.0	849.2	855.0	863.9	874.2
47.5°	607.8	613.7	621.0	628.4	635.8	638.7	649.0	649.0	656.4	662.3	665.2
50°	473.9	479.8	485.6	490.1	493.0	497.5	500.4	504.8	506.2	509.2	510.7
52.5°	370.9	378.2	378.2	381.1	385.6	390.0	388.5	390.0	391.4	391.4	395.9
55°	289.9	289.9	294.3	294.3	297.3	295.8	297.3	297.3	297.3	297.3	298.8
57.5°	216.3	217.8	222.3	219.3	217.8	220.7	217.8	220.7	219.3	222.3	217.8
60°	166.3	166.3	167.8	167.8	169.3	169.3	169.3	167.8	167.8	166.3	166.3
62.5°	125.1	126.5	128.1	126.5	126.5	126.5	125.1	125.1	123.6	122.1	122.1
65°	83.9	82.4	85.4	82.4	83.9	83.9	82.4	83.9	79.5	80.9	79.5
67.5°	60.3	58.9	57.4	58.9	57.4	55.9	55.9	57.4	58.9	54.5	54.5
70°	39.7	41.2	39.7	41.2	42.7	42.7	41.2	39.7	41.2	38.3	39.7
72.5°	25.0	25.0	25.0	25.0	25.0	26.5	26.5	26.5	23.6	23.6	22.0
75°	11.8	16.2	13.3	11.8	16.2	16.2	14.7	14.7	13.3	13.3	13.3
77.5°	11.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	7.3	8.8	7.3
80°	5.9	5.9	5.9	4.4	5.9	5.9	7.3	5.9	5.9	4.4	7.3
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: P244577

CATALOG NUMBER: LSR8B50D010 EC8B50950 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1
2.5°	3047.9	3046.5	3047.9	3049.4	3047.9	3046.5	3047.9	3049.4	3043.5	3042.0	3044.9
5°	3112.7	3112.7	3115.6	3117.1	3115.6	3112.7	3112.7	3106.8	3102.4	3098.0	3096.5
7.5°	3168.6	3171.6	3174.5	3175.9	3174.5	3171.6	3168.6	3159.7	3150.9	3143.6	3137.7
10°	3202.4	3206.9	3212.7	3215.7	3212.7	3206.9	3202.4	3192.1	3180.3	3168.6	3159.7
12.5°	3217.2	3221.6	3228.9	3227.5	3228.9	3221.6	3217.2	3202.4	3189.2	3173.0	3159.7
15°	3206.9	3212.7	3220.1	3223.0	3220.1	3212.7	3206.9	3192.1	3180.3	3162.7	3149.4
17.5°	3174.5	3183.3	3187.7	3192.1	3187.7	3183.3	3174.5	3162.7	3146.5	3131.8	3118.5
20°	3130.3	3136.2	3142.1	3143.6	3142.1	3136.2	3130.3	3117.1	3092.1	3089.1	3078.8
22.5°	3067.1	3071.5	3084.7	3080.3	3084.7	3071.5	3067.1	3055.2	3046.5	3030.2	3019.9
25°	2975.8	2980.2	2981.7	2983.2	2981.7	2980.2	2975.8	2965.5	2956.7	2944.9	2939.0
27.5°	2818.3	2818.3	2821.2	2822.8	2821.2	2818.3	2818.3	2810.9	2805.1	2799.2	2793.3
30°	2579.9	2579.9	2579.9	2587.3	2579.9	2579.9	2579.9	2578.4	2578.4	2579.9	2579.9
32.5°	2304.7	2301.7	2298.8	2301.7	2298.8	2301.7	2304.7	2306.2	2304.7	2309.1	2316.5
35°	1992.7	1991.2	1995.6	1989.8	1995.6	1991.2	1992.7	1992.7	1998.6	2004.5	2005.9
37.5°	1693.9	1691.0	1696.9	1691.0	1696.9	1691.0	1693.9	1692.5	1691.0	1693.9	1689.5
40°	1409.9	1412.8	1412.8	1424.6	1412.8	1412.8	1409.9	1407.0	1396.7	1390.8	1384.9
42.5°	1137.6	1146.5	1143.5	1152.4	1143.5	1146.5	1137.6	1131.8	1119.9	1109.6	1100.9
45°	880.1	886.0	886.0	888.9	886.0	886.0	880.1	874.2	863.9	855.0	849.2
47.5°	675.5	675.5	675.5	677.0	675.5	675.5	675.5	665.2	662.3	656.4	649.0
50°	513.6	515.1	516.6	518.1	516.6	515.1	513.6	510.7	509.2	506.2	504.8
52.5°	394.4	395.9	393.0	395.9	393.0	395.9	394.4	395.9	391.4	391.4	390.0
55°	298.8	297.3	298.8	300.2	298.8	297.3	298.8	298.8	297.3	297.3	297.3
57.5°	219.3	216.3	216.3	216.3	216.3	216.3	219.3	217.8	222.3	219.3	220.7
60°	163.4	164.8	164.8	166.3	164.8	164.8	163.4	166.3	166.3	167.8	167.8
62.5°	120.7	125.1	122.1	125.1	122.1	125.1	120.7	122.1	122.1	123.6	125.1
65°	78.0	78.0	78.0	79.5	78.0	78.0	78.0	79.5	80.9	79.5	83.9
67.5°	53.0	54.5	57.4	55.9	57.4	54.5	53.0	54.5	54.5	58.9	57.4
70°	42.7	38.3	38.3	42.7	38.3	38.3	42.7	39.7	38.3	41.2	39.7
72.5°	25.0	22.0	25.0	25.0	25.0	22.0	25.0	22.0	23.6	23.6	26.5
75°	13.3	11.8	10.3	14.7	10.3	11.8	13.3	13.3	13.3	13.3	14.7
77.5°	8.8	7.3	10.3	10.3	10.3	7.3	8.8	7.3	8.8	7.3	8.8
80°	4.4	5.9	4.4	7.3	4.4	5.9	4.4	7.3	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: P244577

CATALOG NUMBER: LSR8B50D010 EC8B50950 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1
2.5°	3044.9	3040.5	3042.0	3033.2	3033.2	3030.2	3031.7	3024.4	3021.4	3018.5	3022.9
5°	3089.1	3081.8	3075.8	3062.6	3055.2	3046.5	3042.0	3030.2	3019.9	3011.1	3009.6
7.5°	3124.4	3108.3	3098.0	3080.3	3067.1	3056.8	3042.0	3025.8	3012.6	3000.8	2992.0
10°	3139.1	3123.0	3106.8	3084.7	3070.0	3050.8	3036.1	3015.5	2997.9	2981.7	2971.3
12.5°	3140.6	3120.0	3105.3	3080.3	3061.1	3040.5	3024.4	3000.8	2980.2	2964.0	2947.8
15°	3127.4	3108.3	3090.6	3064.1	3044.9	3025.8	3006.7	2981.7	2962.6	2943.4	2931.7
17.5°	3098.0	3080.3	3059.7	3034.7	3017.0	2999.3	2978.7	2958.1	2936.0	2915.4	2900.7
20°	3059.7	3040.5	3022.9	2997.9	2983.2	2964.0	2944.9	2922.8	2905.1	2884.5	2868.4
22.5°	3002.3	2984.6	2968.4	2953.7	2930.2	2915.4	2902.2	2877.2	2859.5	2840.4	2822.8
25°	2919.9	2902.2	2889.0	2871.3	2861.0	2844.8	2831.5	2809.5	2793.3	2775.6	2760.9
27.5°	2784.5	2774.2	2766.8	2756.5	2747.7	2740.3	2733.0	2715.3	2703.5	2687.4	2672.6
30°	2581.4	2579.9	2575.5	2571.1	2576.9	2576.9	2576.9	2574.0	2563.7	2551.9	2541.6
32.5°	2320.9	2323.8	2329.7	2334.1	2345.9	2359.2	2370.9	2376.8	2376.8	2369.5	2365.0
35°	2010.4	2014.8	2023.6	2035.4	2050.1	2066.3	2092.7	2098.7	2103.0	2103.0	2097.2
37.5°	1688.0	1686.6	1695.4	1705.7	1714.6	1726.3	1745.5	1749.9	1757.2	1754.3	1748.4
40°	1374.5	1367.2	1364.2	1367.2	1377.5	1373.1	1377.5	1374.5	1374.5	1364.2	1364.2
42.5°	1084.6	1075.8	1069.9	1065.5	1065.5	1055.2	1047.9	1040.5	1036.1	1028.7	1027.3
45°	836.0	825.6	818.3	815.3	810.9	797.7	788.8	780.0	769.7	766.8	768.2
47.5°	649.0	638.7	635.8	628.4	621.0	613.7	607.8	597.5	596.0	590.1	596.0
50°	500.4	497.5	493.0	490.1	485.6	479.8	473.9	468.0	465.0	465.0	466.5
52.5°	388.5	390.0	385.6	381.1	378.2	378.2	370.9	369.4	369.4	363.5	369.4
55°	297.3	295.8	297.3	294.3	294.3	289.9	289.9	285.5	285.5	281.1	284.0
57.5°	217.8	220.7	217.8	219.3	222.3	217.8	216.3	211.9	214.9	211.9	213.4
60°	169.3	169.3	169.3	167.8	167.8	166.3	166.3	164.8	164.8	161.9	164.8
62.5°	125.1	126.5	126.5	126.5	128.1	126.5	125.1	126.5	125.1	125.1	126.5
65°	82.4	83.9	83.9	82.4	85.4	82.4	83.9	85.4	86.8	85.4	86.8
67.5°	55.9	55.9	57.4	58.9	57.4	58.9	60.3	58.9	60.3	63.3	60.3
70°	41.2	42.7	42.7	41.2	39.7	41.2	39.7	44.2	44.2	44.2	47.1
72.5°	26.5	26.5	25.0	25.0	25.0	25.0	25.0	29.4	26.5	25.0	28.0
75°	14.7	16.2	16.2	11.8	13.3	16.2	11.8	13.3	17.7	14.7	17.7
77.5°	8.8	8.8	8.8	8.8	8.8	8.8	11.8	10.3	10.3	10.3	11.8
80°	7.3	5.9	5.9	4.4	5.9	5.9	5.9	8.8	7.3	7.3	8.8
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: P244577

CATALOG NUMBER: LSR8B50D010 EC8B50950 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1
2.5°	3011.1	3011.1	3009.6	3006.7	3000.8	3000.8	2999.3	2994.9	2992.0	2990.5	2990.5
5°	2996.4	2990.5	2984.6	2968.4	2968.4	2965.5	2956.7	2950.8	2947.8	2940.5	2937.5
7.5°	2983.2	2965.5	2955.2	2944.9	2931.7	2925.7	2915.4	2911.0	2900.7	2893.4	2889.0
10°	2950.8	2939.0	2925.7	2909.6	2899.3	2887.5	2875.7	2866.9	2853.6	2846.3	2840.4
12.5°	2928.7	2911.0	2899.3	2881.6	2863.9	2853.6	2837.5	2827.2	2813.9	2799.2	2790.3
15°	2908.1	2889.0	2872.8	2853.6	2834.5	2822.8	2803.6	2791.9	2772.7	2758.0	2747.7
17.5°	2877.2	2861.0	2843.3	2819.8	2802.2	2787.4	2766.8	2752.1	2734.4	2715.3	2705.0
20°	2844.8	2825.7	2808.0	2784.5	2766.8	2749.2	2728.6	2712.4	2691.7	2674.1	2662.3
22.5°	2802.2	2780.0	2765.3	2741.8	2721.2	2702.1	2682.9	2663.8	2644.7	2629.9	2616.7
25°	2740.3	2716.7	2700.6	2681.4	2662.3	2647.6	2624.1	2612.3	2593.2	2579.9	2566.6
27.5°	2652.0	2634.4	2619.6	2600.5	2584.3	2572.6	2554.9	2543.1	2526.9	2515.1	2504.8
30°	2522.5	2507.8	2494.5	2475.4	2463.7	2453.4	2437.1	2426.8	2415.1	2401.8	2398.9
32.5°	2348.9	2337.0	2323.8	2310.6	2301.7	2295.9	2282.6	2276.7	2265.0	2257.6	2250.2
35°	2086.9	2076.6	2069.2	2063.4	2060.4	2061.8	2058.9	2064.8	2067.7	2066.3	2067.7
37.5°	1744.0	1738.1	1741.0	1745.5	1760.2	1779.3	1796.9	1823.4	1841.1	1858.8	1875.0
40°	1361.3	1365.8	1377.5	1404.0	1442.3	1485.0	1524.7	1574.8	1624.8	1660.1	1692.5
42.5°	1027.3	1040.5	1069.9	1108.2	1165.6	1228.9	1290.7	1364.2	1424.6	1483.5	1524.7
45°	772.7	790.3	828.6	881.6	944.8	1018.4	1096.4	1178.8	1251.0	1311.3	1356.9
47.5°	602.0	618.1	656.4	712.3	790.3	866.9	947.8	1033.1	1108.2	1167.1	1206.8
50°	475.3	495.9	529.8	588.7	666.7	747.6	831.5	915.4	986.1	1036.1	1071.4
52.5°	373.8	393.0	425.3	487.2	566.6	647.6	725.5	808.0	869.8	918.3	941.9
55°	289.9	307.6	341.4	393.0	468.0	547.5	625.5	696.1	753.5	788.8	810.9
57.5°	220.7	234.0	257.6	309.1	376.8	450.3	516.6	587.2	631.4	656.4	671.1
60°	167.8	178.1	203.1	242.9	304.6	367.9	423.9	476.9	512.2	532.8	547.5
62.5°	126.5	138.4	156.0	189.8	236.9	288.5	335.5	375.3	404.7	418.0	428.3
65°	86.8	95.7	108.9	135.4	175.1	211.9	248.7	278.2	297.3	312.0	317.9
67.5°	64.8	70.6	78.0	98.6	126.5	156.0	181.0	201.6	222.3	228.1	238.4
70°	48.6	53.0	60.3	75.1	91.2	111.8	132.5	144.2	159.0	169.3	172.2
72.5°	30.9	32.3	39.7	48.6	61.8	75.1	88.3	98.6	107.5	113.3	116.2
75°	17.7	26.5	26.5	35.3	44.2	50.0	58.9	66.2	70.6	75.1	75.1
77.5°	11.8	16.2	17.7	22.0	26.5	33.9	41.2	45.6	50.0	51.5	51.5
80°	10.3	11.8	11.8	16.2	19.1	25.0	29.4	30.9	33.9	35.3	38.3
82.5°	4.4	5.9	7.3	11.8	13.3	13.3	17.7	19.1	22.0	23.6	23.6
85°	1.5	3.0	3.0	4.4	7.3	8.8	10.3	11.8	13.3	13.3	14.7
87.5°	1.5	1.5	0.0	1.5	3.0	3.0	5.9	5.9	5.9	8.8	8.8
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: P244577

CATALOG NUMBER: LSR8B50D010 EC8B50950 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1	3014.1
2.5°	2987.6	2989.0	2983.2	2981.7	2978.7	2980.2	2983.2
5°	2933.1	2934.6	2928.7	2922.8	2922.8	2921.3	2922.8
7.5°	2881.6	2883.1	2874.2	2871.3	2865.4	2866.9	2866.9
10°	2830.1	2830.1	2816.9	2815.4	2810.9	2809.5	2809.5
12.5°	2780.0	2775.6	2765.3	2759.5	2762.4	2753.6	2753.6
15°	2735.9	2728.6	2715.3	2710.9	2703.5	2700.6	2700.6
17.5°	2690.3	2684.4	2672.6	2663.8	2655.0	2653.5	2655.0
20°	2646.1	2640.2	2625.5	2619.6	2612.3	2612.3	2609.3
22.5°	2602.0	2596.1	2582.9	2578.4	2568.1	2568.1	2569.6
25°	2556.3	2551.9	2537.2	2534.3	2532.8	2526.9	2529.9
27.5°	2494.5	2491.6	2479.8	2475.4	2469.5	2468.1	2471.0
30°	2381.2	2376.8	2368.0	2363.6	2353.3	2354.7	2357.6
32.5°	2239.9	2234.1	2222.3	2217.8	2209.1	2206.1	2207.5
35°	2063.4	2058.9	2048.6	2048.6	2039.8	2036.8	2039.8
37.5°	1883.8	1888.2	1883.8	1888.2	1883.8	1882.3	1883.8
40°	1714.6	1730.7	1733.6	1749.9	1744.0	1752.8	1751.3
42.5°	1552.6	1579.1	1589.5	1602.7	1599.8	1605.6	1610.1
45°	1389.3	1411.4	1421.7	1430.5	1432.0	1434.9	1436.4
47.5°	1234.7	1252.4	1253.9	1264.2	1262.7	1262.7	1267.1
50°	1090.6	1102.3	1105.2	1112.6	1106.7	1103.8	1105.2
52.5°	956.6	968.4	965.4	968.4	961.0	958.1	959.5
55°	819.7	825.6	825.6	825.6	816.8	816.8	816.8
57.5°	679.9	681.4	678.5	679.9	678.5	669.6	668.2
60°	551.9	551.9	550.4	551.9	547.5	543.1	543.1
62.5°	431.2	434.2	440.0	434.2	431.2	434.2	429.7
65°	322.3	328.2	326.7	329.7	328.2	328.2	325.2
67.5°	242.9	244.3	245.8	247.3	247.3	247.3	247.3
70°	178.1	182.5	181.0	181.0	181.0	181.0	189.8
72.5°	119.2	125.1	123.6	126.5	126.5	129.5	126.5
75°	80.9	86.8	83.9	88.3	86.8	83.9	91.2
77.5°	54.5	57.4	58.9	60.3	58.9	57.4	58.9
80°	38.3	41.2	39.7	41.2	41.2	41.2	42.7
82.5°	23.6	28.0	26.5	28.0	26.5	28.0	28.0
85°	16.2	17.7	14.7	17.7	16.2	16.2	19.1
87.5°	10.3	8.8	8.8	10.3	8.8	10.3	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)