

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: P246011

Luminaire Tested: **LD8B50D010 ER8B50940 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246011
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: LD8B50D010 ER8B50940 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4852.0 lumens
Efficiency: N/A
Efficacy: 91.5 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

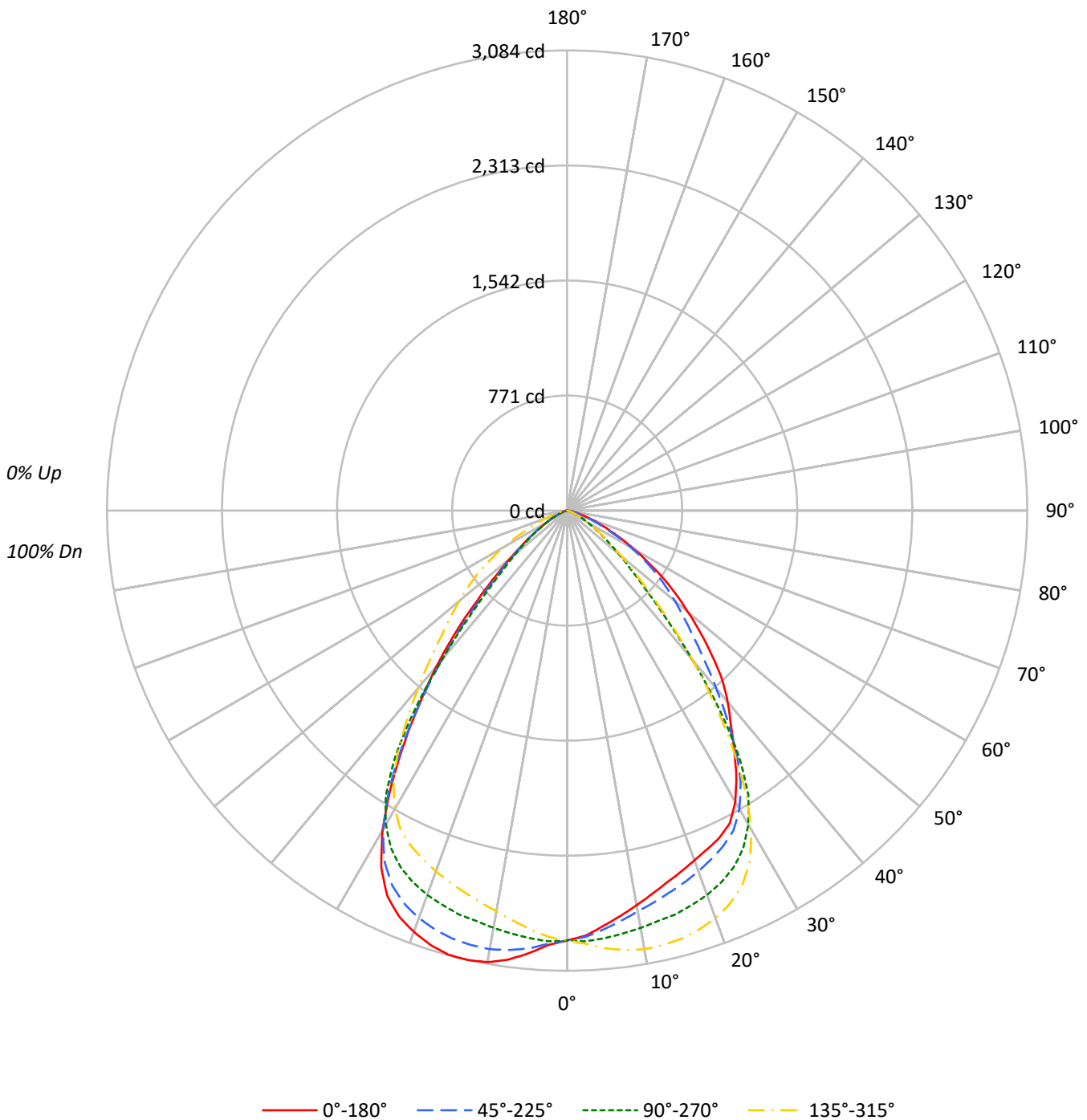
Input Watts (W): 53
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	88824	88824	88824	88824
5°	86464	89033	92212	89033
10°	84073	88917	96225	88917
15°	82393	89442	98333	89442
20°	81832	89953	98587	89953
25°	82260	89773	97003	89773
30°	80229	86489	88041	86489
35°	73384	75446	71584	75446
40°	67373	52483	54806	52483
45°	59862	32018	37046	32018
50°	50669	21386	23751	21386
55°	41966	14596	15424	14596
60°	32008	9713	9800	9713
65°	22678	6056	5545	6056
70°	16355	4057	3679	4057
75°	10389	2014	1680	2014
80°	7245	1509	1243	1509
85°	6475	0	495	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.2	5.7
10°-20°	793.9	16.4
20°-30°	1202.2	24.8
30°-40°	1204.9	24.8
40°-50°	756.6	15.6
50°-60°	403.2	8.3
60°-70°	165.8	3.4
70°-80°	43.8	0.9
80°-90°	7.4	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°	2270.3	46.8
0°-40°	3475.2	71.6
0°-60°	4635.0	95.5
0°-90°	4852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4852.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2880	2880	2880	2880	2880	
5°	2793	2876	2979	2876	2793	263
15°	2581	2802	3080	2802	2581	730
25°	2418	2638	2851	2638	2418	1109
35°	1949	2004	1902	2004	1949	1221
45°	1373	734	850	734	1373	1056
55°	781	272	287	272	781	696
65°	311	83	76	83	311	322
75°	87	17	14	17	87	99
85°	18	0	1	0	18	20
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°	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5
2.5°	2851.0	2848.1	2846.7	2849.6	2851.0	2856.6	2855.2	2858.0	2858.0	2859.4	2862.2
5°	2793.3	2791.8	2793.3	2793.3	2798.9	2804.5	2803.1	2807.4	2810.1	2817.2	2820.0
7.5°	2739.9	2739.9	2738.4	2744.0	2746.9	2755.3	2753.9	2760.9	2765.2	2772.2	2782.0
10°	2685.0	2685.0	2686.4	2690.6	2692.0	2704.7	2704.7	2714.5	2720.1	2727.2	2739.9
12.5°	2631.5	2631.5	2640.0	2637.2	2642.8	2652.6	2656.8	2666.7	2675.1	2689.2	2701.9
15°	2580.9	2580.9	2583.7	2590.7	2595.0	2607.6	2614.6	2625.9	2635.8	2649.8	2668.1
17.5°	2537.3	2535.9	2537.3	2545.7	2554.2	2565.4	2571.0	2585.1	2595.0	2613.2	2630.2
20°	2493.7	2496.5	2496.5	2503.5	2509.2	2523.2	2528.8	2544.4	2555.6	2572.4	2592.2
22.5°	2455.7	2454.3	2454.3	2464.2	2468.4	2481.0	2486.6	2500.7	2513.4	2527.5	2545.7
25°	2417.7	2414.9	2420.6	2422.0	2424.8	2438.8	2443.0	2452.9	2465.6	2478.2	2496.5
27.5°	2361.5	2358.7	2360.1	2365.7	2369.9	2381.2	2384.0	2393.8	2403.7	2414.9	2430.4
30°	2253.2	2250.4	2249.0	2258.8	2263.1	2271.5	2275.7	2292.6	2295.4	2308.0	2319.3
32.5°	2109.7	2108.3	2111.2	2119.5	2123.8	2135.1	2140.7	2150.5	2157.5	2164.6	2175.8
35°	1949.4	1946.6	1949.4	1957.9	1957.9	1967.7	1971.9	1976.1	1974.7	1976.1	1973.3
37.5°	1800.3	1798.9	1800.3	1804.5	1800.3	1804.5	1800.3	1791.9	1776.4	1759.5	1742.6
40°	1673.7	1675.1	1666.7	1672.3	1656.8	1654.0	1638.6	1617.4	1586.5	1552.8	1505.0
42.5°	1538.7	1534.5	1528.9	1531.7	1519.0	1509.1	1483.8	1457.1	1417.7	1361.5	1303.8
45°	1372.7	1371.3	1368.5	1367.1	1358.7	1348.8	1327.7	1296.8	1253.2	1195.5	1126.6
47.5°	1211.0	1206.8	1206.8	1208.1	1198.3	1196.9	1180.0	1153.3	1115.3	1059.1	987.3
50°	1056.2	1054.9	1057.7	1063.3	1056.2	1053.5	1042.2	1023.9	990.2	942.4	874.8
52.5°	917.0	915.6	918.5	925.5	922.6	925.5	914.2	900.2	877.6	831.2	772.2
55°	780.6	780.6	780.6	789.0	789.0	789.0	783.4	775.0	753.9	720.1	665.3
57.5°	638.5	639.9	648.4	649.8	648.4	651.2	649.8	641.3	627.3	603.4	561.2
60°	519.0	519.0	523.2	527.5	526.0	527.5	527.5	523.2	509.2	489.5	455.7
62.5°	410.7	414.9	412.1	414.9	420.5	414.9	412.1	409.3	399.5	386.8	358.6
65°	310.8	313.7	313.7	315.0	312.2	313.7	308.0	303.8	298.2	284.1	265.8
67.5°	236.3	236.3	236.3	236.3	234.9	233.5	232.1	227.9	218.0	212.4	192.7
70°	181.4	173.0	173.0	173.0	173.0	174.4	170.2	164.6	161.8	151.9	137.8
72.5°	120.9	123.8	120.9	120.9	118.2	119.5	113.9	111.1	108.3	102.7	94.2
75°	87.2	80.2	83.0	84.4	80.2	83.0	77.3	71.7	71.7	67.5	63.3
77.5°	56.3	54.9	56.3	57.7	56.3	54.9	52.0	49.2	49.2	47.8	43.6
80°	40.8	39.4	39.4	39.4	38.0	39.4	36.6	36.6	33.8	32.4	29.5
82.5°	26.7	26.7	25.3	26.7	25.3	26.7	22.5	22.5	22.5	21.1	18.3
85°	18.3	15.5	15.5	16.9	14.1	16.9	15.5	14.1	12.7	12.7	11.2
87.5°	8.5	9.8	8.5	9.8	8.5	8.5	9.8	8.5	8.5	5.6	5.6
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°	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5
2.5°	2866.4	2867.8	2867.8	2873.5	2876.3	2877.6	2877.6	2888.9	2884.7	2887.5	2890.3
5°	2825.7	2834.0	2836.9	2836.9	2852.3	2858.0	2863.6	2876.3	2877.6	2886.1	2895.9
7.5°	2786.2	2796.1	2801.7	2814.4	2824.2	2834.0	2851.0	2859.4	2867.8	2879.1	2891.7
10°	2748.3	2759.5	2770.8	2780.6	2796.1	2808.8	2820.0	2839.7	2849.6	2865.0	2881.9
12.5°	2711.7	2727.2	2737.0	2753.9	2770.8	2782.0	2798.9	2817.2	2832.7	2848.1	2867.8
15°	2679.4	2697.7	2708.9	2727.2	2745.5	2760.9	2779.2	2801.7	2813.0	2831.3	2849.6
17.5°	2644.2	2663.9	2678.0	2694.8	2717.3	2734.2	2749.7	2772.2	2786.2	2805.9	2827.0
20°	2607.6	2627.3	2644.2	2661.1	2683.6	2700.4	2718.7	2741.2	2756.7	2776.4	2793.3
22.5°	2564.0	2582.3	2600.6	2620.3	2642.8	2656.8	2678.0	2697.7	2714.5	2732.8	2749.7
25°	2507.8	2530.3	2544.4	2562.6	2580.9	2596.3	2618.9	2638.5	2652.6	2669.5	2685.0
27.5°	2441.7	2458.6	2469.8	2485.2	2503.5	2517.6	2534.5	2554.2	2568.3	2583.7	2595.0
30°	2329.1	2344.6	2354.5	2365.7	2384.0	2396.7	2410.7	2429.0	2438.8	2450.1	2460.0
32.5°	2181.4	2194.1	2199.7	2208.2	2220.9	2233.5	2244.8	2260.2	2264.4	2271.5	2271.5
35°	1967.7	1970.5	1969.1	1971.9	1977.5	1984.5	1994.4	2004.2	2009.8	2009.8	2005.7
37.5°	1717.3	1700.5	1682.2	1668.1	1663.9	1661.0	1666.7	1670.9	1676.6	1679.3	1672.3
40°	1457.1	1419.2	1378.4	1341.8	1316.5	1305.2	1301.0	1303.8	1303.8	1313.6	1313.6
42.5°	1233.5	1174.4	1114.0	1059.1	1022.5	994.4	981.7	981.7	983.1	990.2	994.4
45°	1047.8	973.3	902.9	842.5	791.8	755.3	738.4	734.2	732.8	735.6	745.4
47.5°	905.8	828.4	755.3	680.8	627.3	590.7	575.3	569.6	564.0	569.6	571.0
50°	794.7	714.5	637.2	562.6	506.3	474.0	454.3	445.8	444.4	444.4	447.3
52.5°	693.4	618.9	541.5	465.6	406.5	375.5	357.3	353.0	347.4	353.0	353.0
55°	597.7	523.2	447.3	375.5	326.3	294.0	277.1	271.5	268.6	272.8	272.8
57.5°	493.7	430.4	360.1	295.4	246.2	223.6	211.0	204.0	202.5	205.3	202.5
60°	405.1	351.6	291.1	232.1	194.1	170.2	160.4	157.5	154.7	157.5	157.5
62.5°	320.7	275.7	226.4	181.4	149.1	132.2	120.9	120.9	119.5	119.5	120.9
65°	237.7	202.5	167.4	129.4	104.1	91.4	83.0	83.0	81.6	83.0	81.6
67.5°	173.0	149.1	120.9	94.2	74.6	67.5	61.9	57.7	60.5	57.7	56.3
70°	126.6	106.9	87.2	71.7	57.7	50.7	46.4	45.0	42.2	42.2	42.2
72.5°	84.4	71.7	59.0	46.4	38.0	30.9	29.5	26.7	23.9	25.3	28.1
75°	56.3	47.8	42.2	33.8	25.3	25.3	16.9	16.9	14.1	16.9	12.7
77.5°	39.4	32.4	25.3	21.1	16.9	15.5	11.2	11.2	9.8	9.8	9.8
80°	28.1	23.9	18.3	15.5	11.2	11.2	9.8	8.5	7.0	7.0	8.5
82.5°	16.9	12.7	12.7	11.2	7.0	5.6	4.2	5.6	2.8	2.8	2.8
85°	9.8	8.5	7.0	4.2	2.8	2.8	1.4	0.0	1.4	1.4	0.0
87.5°	5.6	2.8	2.8	1.4	0.0	1.4	1.4	0.0	0.0	0.0	2.8
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°	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5
2.5°	2897.4	2895.9	2898.8	2898.8	2907.2	2905.8	2910.0	2910.0	2907.2	2908.6	2914.2
5°	2907.2	2911.5	2919.8	2926.9	2939.5	2945.2	2952.2	2959.3	2960.7	2964.9	2969.1
7.5°	2907.2	2921.3	2931.1	2943.8	2960.7	2970.5	2986.0	2998.6	3004.3	3011.3	3019.7
10°	2901.6	2915.6	2933.9	2948.0	2969.1	2984.6	3000.0	3019.7	3028.2	3039.4	3050.7
12.5°	2890.3	2905.8	2925.5	2943.8	2967.7	2981.7	3001.4	3019.7	3032.4	3047.8	3060.5
15°	2873.5	2891.7	2910.0	2928.3	2953.6	2970.5	2988.8	3009.9	3022.5	3039.4	3050.7
17.5°	2846.7	2866.4	2883.3	2900.2	2924.1	2943.8	2960.7	2980.3	2993.0	3007.1	3022.5
20°	2814.4	2832.7	2851.0	2865.0	2888.9	2905.8	2924.1	2942.4	2952.2	2955.0	2979.0
22.5°	2773.6	2786.2	2800.3	2822.8	2836.9	2852.3	2869.2	2886.1	2895.9	2911.5	2919.8
25°	2706.0	2718.7	2734.2	2744.0	2760.9	2773.6	2790.5	2808.8	2814.4	2825.7	2834.0
27.5°	2611.9	2618.9	2625.9	2634.3	2644.2	2651.2	2661.1	2669.5	2675.1	2680.8	2686.4
30°	2462.7	2462.7	2462.7	2457.1	2461.3	2465.6	2467.0	2465.6	2465.6	2464.2	2464.2
32.5°	2265.8	2254.6	2241.9	2230.7	2226.5	2220.9	2218.0	2213.8	2206.8	2202.6	2204.0
35°	2000.0	1974.7	1959.2	1945.2	1933.9	1925.5	1921.3	1917.0	1915.6	1910.0	1904.4
37.5°	1668.1	1649.8	1638.6	1630.1	1620.3	1611.8	1613.2	1614.7	1618.8	1616.1	1617.4
40°	1316.5	1312.2	1316.5	1306.6	1303.8	1306.6	1313.6	1323.5	1329.1	1334.8	1344.6
42.5°	1001.4	1008.4	1018.3	1018.3	1022.5	1028.2	1036.6	1052.1	1060.5	1070.3	1081.6
45°	753.9	762.3	775.0	779.2	782.0	789.0	798.9	811.5	817.1	825.6	835.4
47.5°	580.9	586.5	593.5	600.6	607.6	610.4	620.3	620.3	627.3	632.9	635.7
50°	452.9	458.5	464.1	468.3	471.2	475.4	478.2	482.4	483.8	486.6	488.0
52.5°	354.4	361.5	361.5	364.3	368.5	372.7	371.3	372.7	374.1	374.1	378.3
55°	277.1	277.1	281.3	281.3	284.1	282.7	284.1	284.1	284.1	284.1	285.5
57.5°	206.7	208.2	212.4	209.6	208.2	211.0	208.2	211.0	209.6	212.4	208.2
60°	158.9	158.9	160.4	160.4	161.8	161.8	161.8	160.4	160.4	158.9	158.9
62.5°	119.5	120.9	122.4	120.9	120.9	120.9	119.5	119.5	118.2	116.7	116.7
65°	80.2	78.8	81.6	78.8	80.2	80.2	78.8	80.2	76.0	77.3	76.0
67.5°	57.7	56.3	54.9	56.3	54.9	53.4	53.4	54.9	56.3	52.0	52.0
70°	38.0	39.4	38.0	39.4	40.8	40.8	39.4	38.0	39.4	36.6	38.0
72.5°	23.9	23.9	23.9	23.9	23.9	25.3	25.3	25.3	22.5	22.5	21.1
75°	11.2	15.5	12.7	11.2	15.5	15.5	14.1	14.1	12.7	12.7	12.7
77.5°	11.2	8.5	8.5	8.5	8.5	8.5	8.5	8.5	7.0	8.5	7.0
80°	5.6	5.6	5.6	4.2	5.6	5.6	7.0	5.6	5.6	4.2	7.0
82.5°	2.8	2.8	2.8	0.0	1.4	2.8	2.8	1.4	2.8	2.8	1.4
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: P246011

CATALOG NUMBER: LD8B50D010 ER8B50940 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5
2.5°	2912.8	2911.5	2912.8	2914.2	2912.8	2911.5	2912.8	2914.2	2908.6	2907.2	2910.0
5°	2974.7	2974.7	2977.5	2979.0	2977.5	2974.7	2974.7	2969.1	2964.9	2960.7	2959.3
7.5°	3028.2	3031.0	3033.8	3035.2	3033.8	3031.0	3028.2	3019.7	3011.3	3004.3	2998.6
10°	3060.5	3064.7	3070.4	3073.1	3070.4	3064.7	3060.5	3050.7	3039.4	3028.2	3019.7
12.5°	3074.6	3078.8	3085.8	3084.4	3085.8	3078.8	3074.6	3060.5	3047.8	3032.4	3019.7
15°	3064.7	3070.4	3077.4	3080.2	3077.4	3070.4	3064.7	3050.7	3039.4	3022.5	3009.9
17.5°	3033.8	3042.2	3046.5	3050.7	3046.5	3042.2	3033.8	3022.5	3007.1	2993.0	2980.3
20°	2991.6	2997.2	3002.9	3004.3	3002.9	2997.2	2991.6	2979.0	2955.0	2952.2	2942.4
22.5°	2931.1	2935.4	2948.0	2943.8	2948.0	2935.4	2931.1	2919.8	2911.5	2895.9	2886.1
25°	2843.9	2848.1	2849.6	2851.0	2849.6	2848.1	2843.9	2834.0	2825.7	2814.4	2808.8
27.5°	2693.4	2693.4	2696.2	2697.7	2696.2	2693.4	2693.4	2686.4	2680.8	2675.1	2669.5
30°	2465.6	2465.6	2465.6	2472.6	2465.6	2465.6	2465.6	2464.2	2464.2	2465.6	2465.6
32.5°	2202.6	2199.7	2196.9	2199.7	2196.9	2199.7	2202.6	2204.0	2202.6	2206.8	2213.8
35°	1904.4	1903.0	1907.2	1901.6	1907.2	1903.0	1904.4	1904.4	1910.0	1915.6	1917.0
37.5°	1618.8	1616.1	1621.7	1616.1	1621.7	1616.1	1618.8	1617.4	1616.1	1618.8	1614.7
40°	1347.4	1350.2	1350.2	1361.5	1350.2	1350.2	1347.4	1344.6	1334.8	1329.1	1323.5
42.5°	1087.2	1095.7	1092.8	1101.3	1092.8	1095.7	1087.2	1081.6	1070.3	1060.5	1052.1
45°	841.1	846.7	846.7	849.5	846.7	846.7	841.1	835.4	825.6	817.1	811.5
47.5°	645.6	645.6	645.6	647.0	645.6	645.6	645.6	635.7	632.9	627.3	620.3
50°	490.9	492.3	493.7	495.1	493.7	492.3	490.9	488.0	486.6	483.8	482.4
52.5°	376.9	378.3	375.5	378.3	375.5	378.3	376.9	378.3	374.1	374.1	372.7
55°	285.5	284.1	285.5	286.9	285.5	284.1	285.5	285.5	284.1	284.1	284.1
57.5°	209.6	206.7	206.7	206.7	206.7	206.7	209.6	208.2	212.4	209.6	211.0
60°	156.1	157.5	157.5	158.9	157.5	157.5	156.1	158.9	158.9	160.4	160.4
62.5°	115.3	119.5	116.7	119.5	116.7	119.5	115.3	116.7	116.7	118.2	119.5
65°	74.6	74.6	74.6	76.0	74.6	74.6	74.6	76.0	77.3	76.0	80.2
67.5°	50.7	52.0	54.9	53.4	54.9	52.0	50.7	52.0	52.0	56.3	54.9
70°	40.8	36.6	36.6	40.8	36.6	36.6	40.8	38.0	36.6	39.4	38.0
72.5°	23.9	21.1	23.9	23.9	23.9	21.1	23.9	21.1	22.5	22.5	25.3
75°	12.7	11.2	9.8	14.1	9.8	11.2	12.7	12.7	12.7	12.7	14.1
77.5°	8.5	7.0	9.8	9.8	9.8	7.0	8.5	7.0	8.5	7.0	8.5
80°	4.2	5.6	4.2	7.0	4.2	5.6	4.2	7.0	4.2	5.6	5.6
82.5°	1.4	2.8	2.8	2.8	2.8	2.8	1.4	1.4	2.8	2.8	1.4
85°	0.0	2.8	1.4	1.4	1.4	2.8	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	0.0	0.0	1.4	0.0	0.0	1.4	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: P246011

CATALOG NUMBER: LD8B50D010 ER8B50940 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5
2.5°	2910.0	2905.8	2907.2	2898.8	2898.8	2895.9	2897.4	2890.3	2887.5	2884.7	2888.9
5°	2952.2	2945.2	2939.5	2926.9	2919.8	2911.5	2907.2	2895.9	2886.1	2877.6	2876.3
7.5°	2986.0	2970.5	2960.7	2943.8	2931.1	2921.3	2907.2	2891.7	2879.1	2867.8	2859.4
10°	3000.0	2984.6	2969.1	2948.0	2933.9	2915.6	2901.6	2881.9	2865.0	2849.6	2839.7
12.5°	3001.4	2981.7	2967.7	2943.8	2925.5	2905.8	2890.3	2867.8	2848.1	2832.7	2817.2
15°	2988.8	2970.5	2953.6	2928.3	2910.0	2891.7	2873.5	2849.6	2831.3	2813.0	2801.7
17.5°	2960.7	2943.8	2924.1	2900.2	2883.3	2866.4	2846.7	2827.0	2805.9	2786.2	2772.2
20°	2924.1	2905.8	2888.9	2865.0	2851.0	2832.7	2814.4	2793.3	2776.4	2756.7	2741.2
22.5°	2869.2	2852.3	2836.9	2822.8	2800.3	2786.2	2773.6	2749.7	2732.8	2714.5	2697.7
25°	2790.5	2773.6	2760.9	2744.0	2734.2	2718.7	2706.0	2685.0	2669.5	2652.6	2638.5
27.5°	2661.1	2651.2	2644.2	2634.3	2625.9	2618.9	2611.9	2595.0	2583.7	2568.3	2554.2
30°	2467.0	2465.6	2461.3	2457.1	2462.7	2462.7	2462.7	2460.0	2450.1	2438.8	2429.0
32.5°	2218.0	2220.9	2226.5	2230.7	2241.9	2254.6	2265.8	2271.5	2271.5	2264.4	2260.2
35°	1921.3	1925.5	1933.9	1945.2	1959.2	1974.7	2000.0	2005.7	2009.8	2009.8	2004.2
37.5°	1613.2	1611.8	1620.3	1630.1	1638.6	1649.8	1668.1	1672.3	1679.3	1676.6	1670.9
40°	1313.6	1306.6	1303.8	1306.6	1316.5	1312.2	1316.5	1313.6	1313.6	1303.8	1303.8
42.5°	1036.6	1028.2	1022.5	1018.3	1018.3	1008.4	1001.4	994.4	990.2	983.1	981.7
45°	798.9	789.0	782.0	779.2	775.0	762.3	753.9	745.4	735.6	732.8	734.2
47.5°	620.3	610.4	607.6	600.6	593.5	586.5	580.9	571.0	569.6	564.0	569.6
50°	478.2	475.4	471.2	468.3	464.1	458.5	452.9	447.3	444.4	444.4	445.8
52.5°	371.3	372.7	368.5	364.3	361.5	361.5	354.4	353.0	353.0	347.4	353.0
55°	284.1	282.7	284.1	281.3	281.3	277.1	277.1	272.8	272.8	268.6	271.5
57.5°	208.2	211.0	208.2	209.6	212.4	208.2	206.7	202.5	205.3	202.5	204.0
60°	161.8	161.8	161.8	160.4	160.4	158.9	158.9	157.5	157.5	154.7	157.5
62.5°	119.5	120.9	120.9	120.9	122.4	120.9	119.5	120.9	119.5	119.5	120.9
65°	78.8	80.2	80.2	78.8	81.6	78.8	80.2	81.6	83.0	81.6	83.0
67.5°	53.4	53.4	54.9	56.3	54.9	56.3	57.7	56.3	57.7	60.5	57.7
70°	39.4	40.8	40.8	39.4	38.0	39.4	38.0	42.2	42.2	42.2	45.0
72.5°	25.3	25.3	23.9	23.9	23.9	23.9	23.9	28.1	25.3	23.9	26.7
75°	14.1	15.5	15.5	11.2	12.7	15.5	11.2	12.7	16.9	14.1	16.9
77.5°	8.5	8.5	8.5	8.5	8.5	8.5	11.2	9.8	9.8	9.8	11.2
80°	7.0	5.6	5.6	4.2	5.6	5.6	5.6	8.5	7.0	7.0	8.5
82.5°	2.8	2.8	1.4	0.0	2.8	2.8	2.8	2.8	2.8	2.8	5.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	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: P246011

CATALOG NUMBER: LD8B50D010 ER8B50940 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5
2.5°	2877.6	2877.6	2876.3	2873.5	2867.8	2867.8	2866.4	2862.2	2859.4	2858.0	2858.0
5°	2863.6	2858.0	2852.3	2836.9	2836.9	2834.0	2825.7	2820.0	2817.2	2810.1	2807.4
7.5°	2851.0	2834.0	2824.2	2814.4	2801.7	2796.1	2786.2	2782.0	2772.2	2765.2	2760.9
10°	2820.0	2808.8	2796.1	2780.6	2770.8	2759.5	2748.3	2739.9	2727.2	2720.1	2714.5
12.5°	2798.9	2782.0	2770.8	2753.9	2737.0	2727.2	2711.7	2701.9	2689.2	2675.1	2666.7
15°	2779.2	2760.9	2745.5	2727.2	2708.9	2697.7	2679.4	2668.1	2649.8	2635.8	2625.9
17.5°	2749.7	2734.2	2717.3	2694.8	2678.0	2663.9	2644.2	2630.2	2613.2	2595.0	2585.1
20°	2718.7	2700.4	2683.6	2661.1	2644.2	2627.3	2607.6	2592.2	2572.4	2555.6	2544.4
22.5°	2678.0	2656.8	2642.8	2620.3	2600.6	2582.3	2564.0	2545.7	2527.5	2513.4	2500.7
25°	2618.9	2596.3	2580.9	2562.6	2544.4	2530.3	2507.8	2496.5	2478.2	2465.6	2452.9
27.5°	2534.5	2517.6	2503.5	2485.2	2469.8	2458.6	2441.7	2430.4	2414.9	2403.7	2393.8
30°	2410.7	2396.7	2384.0	2365.7	2354.5	2344.6	2329.1	2319.3	2308.0	2295.4	2292.6
32.5°	2244.8	2233.5	2220.9	2208.2	2199.7	2194.1	2181.4	2175.8	2164.6	2157.5	2150.5
35°	1994.4	1984.5	1977.5	1971.9	1969.1	1970.5	1967.7	1973.3	1976.1	1974.7	1976.1
37.5°	1666.7	1661.0	1663.9	1668.1	1682.2	1700.5	1717.3	1742.6	1759.5	1776.4	1791.9
40°	1301.0	1305.2	1316.5	1341.8	1378.4	1419.2	1457.1	1505.0	1552.8	1586.5	1617.4
42.5°	981.7	994.4	1022.5	1059.1	1114.0	1174.4	1233.5	1303.8	1361.5	1417.7	1457.1
45°	738.4	755.3	791.8	842.5	902.9	973.3	1047.8	1126.6	1195.5	1253.2	1296.8
47.5°	575.3	590.7	627.3	680.8	755.3	828.4	905.8	987.3	1059.1	1115.3	1153.3
50°	454.3	474.0	506.3	562.6	637.2	714.5	794.7	874.8	942.4	990.2	1023.9
52.5°	357.3	375.5	406.5	465.6	541.5	618.9	693.4	772.2	831.2	877.6	900.2
55°	277.1	294.0	326.3	375.5	447.3	523.2	597.7	665.3	720.1	753.9	775.0
57.5°	211.0	223.6	246.2	295.4	360.1	430.4	493.7	561.2	603.4	627.3	641.3
60°	160.4	170.2	194.1	232.1	291.1	351.6	405.1	455.7	489.5	509.2	523.2
62.5°	120.9	132.2	149.1	181.4	226.4	275.7	320.7	358.6	386.8	399.5	409.3
65°	83.0	91.4	104.1	129.4	167.4	202.5	237.7	265.8	284.1	298.2	303.8
67.5°	61.9	67.5	74.6	94.2	120.9	149.1	173.0	192.7	212.4	218.0	227.9
70°	46.4	50.7	57.7	71.7	87.2	106.9	126.6	137.8	151.9	161.8	164.6
72.5°	29.5	30.9	38.0	46.4	59.0	71.7	84.4	94.2	102.7	108.3	111.1
75°	16.9	25.3	25.3	33.8	42.2	47.8	56.3	63.3	67.5	71.7	71.7
77.5°	11.2	15.5	16.9	21.1	25.3	32.4	39.4	43.6	47.8	49.2	49.2
80°	9.8	11.2	11.2	15.5	18.3	23.9	28.1	29.5	32.4	33.8	36.6
82.5°	4.2	5.6	7.0	11.2	12.7	12.7	16.9	18.3	21.1	22.5	22.5
85°	1.4	2.8	2.8	4.2	7.0	8.5	9.8	11.2	12.7	12.7	14.1
87.5°	1.4	1.4	0.0	1.4	2.8	2.8	5.6	5.6	5.6	8.5	8.5
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: P246011

CATALOG NUMBER: LD8B50D010 ER8B50940 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5	2880.5
2.5°	2855.2	2856.6	2851.0	2849.6	2846.7	2848.1	2851.0
5°	2803.1	2804.5	2798.9	2793.3	2793.3	2791.8	2793.3
7.5°	2753.9	2755.3	2746.9	2744.0	2738.4	2739.9	2739.9
10°	2704.7	2704.7	2692.0	2690.6	2686.4	2685.0	2685.0
12.5°	2656.8	2652.6	2642.8	2637.2	2640.0	2631.5	2631.5
15°	2614.6	2607.6	2595.0	2590.7	2583.7	2580.9	2580.9
17.5°	2571.0	2565.4	2554.2	2545.7	2537.3	2535.9	2537.3
20°	2528.8	2523.2	2509.2	2503.5	2496.5	2496.5	2493.7
22.5°	2486.6	2481.0	2468.4	2464.2	2454.3	2454.3	2455.7
25°	2443.0	2438.8	2424.8	2422.0	2420.6	2414.9	2417.7
27.5°	2384.0	2381.2	2369.9	2365.7	2360.1	2358.7	2361.5
30°	2275.7	2271.5	2263.1	2258.8	2249.0	2250.4	2253.2
32.5°	2140.7	2135.1	2123.8	2119.5	2111.2	2108.3	2109.7
35°	1971.9	1967.7	1957.9	1957.9	1949.4	1946.6	1949.4
37.5°	1800.3	1804.5	1800.3	1804.5	1800.3	1798.9	1800.3
40°	1638.6	1654.0	1656.8	1672.3	1666.7	1675.1	1673.7
42.5°	1483.8	1509.1	1519.0	1531.7	1528.9	1534.5	1538.7
45°	1327.7	1348.8	1358.7	1367.1	1368.5	1371.3	1372.7
47.5°	1180.0	1196.9	1198.3	1208.1	1206.8	1206.8	1211.0
50°	1042.2	1053.5	1056.2	1063.3	1057.7	1054.9	1056.2
52.5°	914.2	925.5	922.6	925.5	918.5	915.6	917.0
55°	783.4	789.0	789.0	789.0	780.6	780.6	780.6
57.5°	649.8	651.2	648.4	649.8	648.4	639.9	638.5
60°	527.5	527.5	526.0	527.5	523.2	519.0	519.0
62.5°	412.1	414.9	420.5	414.9	412.1	414.9	410.7
65°	308.0	313.7	312.2	315.0	313.7	313.7	310.8
67.5°	232.1	233.5	234.9	236.3	236.3	236.3	236.3
70°	170.2	174.4	173.0	173.0	173.0	173.0	181.4
72.5°	113.9	119.5	118.2	120.9	120.9	123.8	120.9
75°	77.3	83.0	80.2	84.4	83.0	80.2	87.2
77.5°	52.0	54.9	56.3	57.7	56.3	54.9	56.3
80°	36.6	39.4	38.0	39.4	39.4	39.4	40.8
82.5°	22.5	26.7	25.3	26.7	25.3	26.7	26.7
85°	15.5	16.9	14.1	16.9	15.5	15.5	18.3
87.5°	9.8	8.5	8.5	9.8	8.5	9.8	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)