

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: P248902

Luminaire Tested: **LD8B60D010 ER8B60850 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248902
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: LD8B60D010 ER8B60850 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4827.0 lumens
Efficiency: N/A
Efficacy: 81.1 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

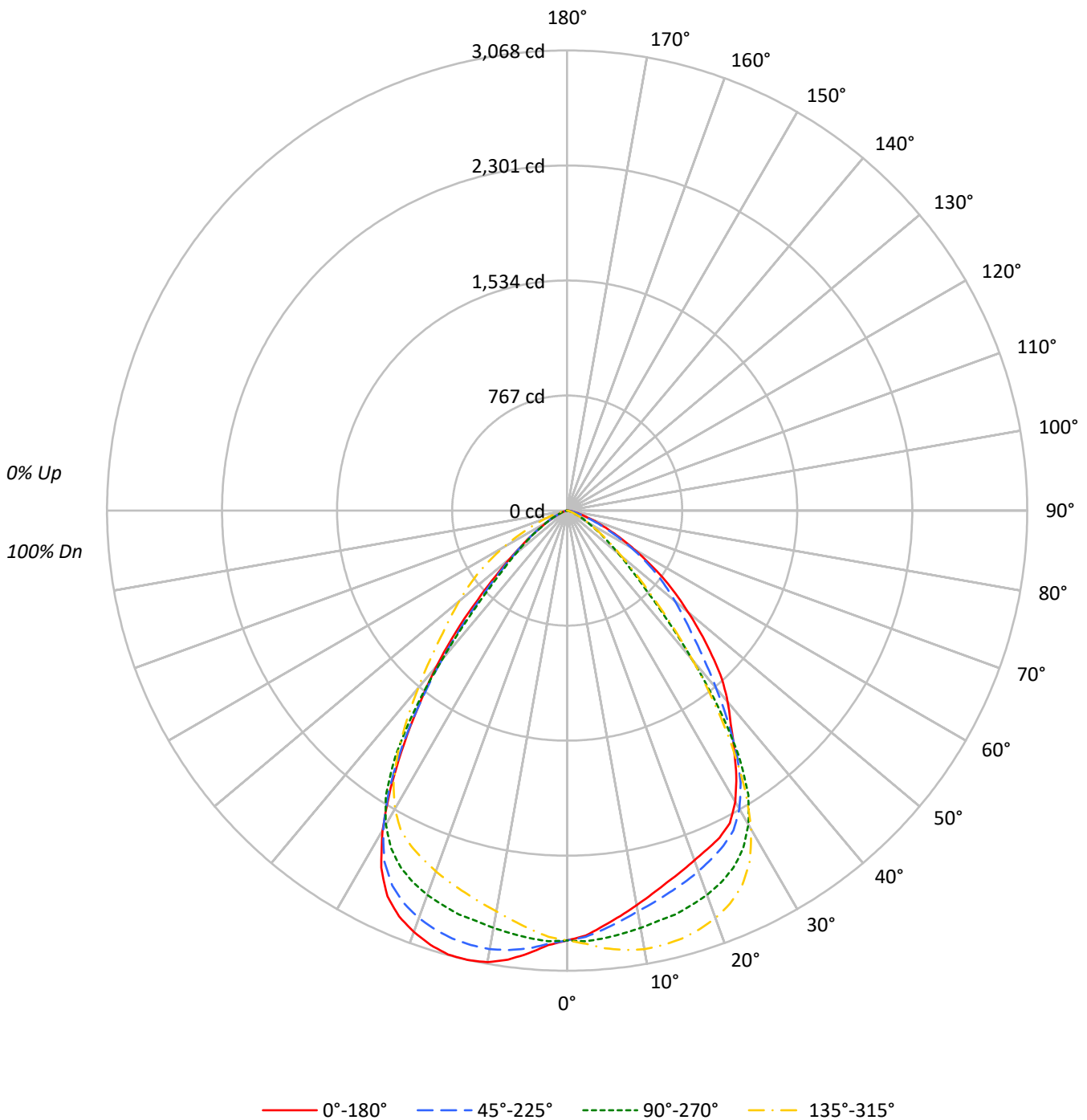
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248902

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0B

Luminous Intensity Polar Plot





TEST NUMBER: P248902

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0B

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°	88365	88365	88365	88365
5°	86018	88572	91736	88572
10°	83638	88456	95730	88456
15°	81968	88982	97825	88982
20°	81412	89491	98078	89491
25°	81838	89313	96503	89313
30°	79816	86044	87589	86044
35°	73007	75059	71215	75059
40°	67027	52213	54524	52213
45°	59557	31852	36854	31852
50°	50410	21276	23627	21276
55°	41751	14521	15344	14521
60°	31842	9664	9750	9664
65°	22561	6020	5516	6020
70°	16274	4039	3660	4039
75°	10330	2002	1668	2002
80°	7210	1492	1243	1492
85°	6439	0	495	0



TEST NUMBER: P248902

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.8	5.7
10°-20°	789.8	16.4
20°-30°	1196.0	24.8
30°-40°	1198.7	24.8
40°-50°	752.7	15.6
50°-60°	401.1	8.3
60°-70°	165.0	3.4
70°-80°	43.6	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°	2258.6	46.8
0°-40°	3457.3	71.6
0°-60°	4611.1	95.5
0°-90°	4827.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4827.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2866	2866	2866	2866	2866	
5°	2779	2861	2964	2861	2779	262
15°	2568	2787	3064	2787	2568	726
25°	2405	2625	2836	2625	2405	1103
35°	1939	1994	1892	1994	1939	1215
45°	1366	730	845	730	1366	1050
55°	777	270	285	270	777	692
65°	309	82	76	82	309	321
75°	87	17	14	17	87	98
85°	18	0	1	0	18	20
90°	0	0	0	0	0	



TEST NUMBER: P248902

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0B

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6
2.5°	2836.3	2833.4	2832.1	2834.9	2836.3	2841.9	2840.5	2843.2	2843.2	2844.7	2847.4
5°	2778.9	2777.5	2778.9	2778.9	2784.5	2790.1	2788.7	2792.9	2795.7	2802.7	2805.5
7.5°	2725.7	2725.7	2724.3	2729.9	2732.7	2741.1	2739.7	2746.7	2750.9	2757.9	2767.7
10°	2671.1	2671.1	2672.5	2676.7	2678.2	2690.7	2690.7	2700.5	2706.1	2713.1	2725.7
12.5°	2618.0	2618.0	2626.4	2623.6	2629.2	2638.9	2643.2	2652.9	2661.4	2675.3	2688.0
15°	2567.6	2567.6	2570.4	2577.4	2581.6	2594.2	2601.2	2612.4	2622.2	2636.2	2654.4
17.5°	2524.2	2522.8	2524.2	2532.6	2541.0	2552.2	2557.8	2571.8	2581.6	2599.8	2616.6
20°	2480.9	2483.7	2483.7	2490.6	2496.2	2510.2	2515.8	2531.2	2542.4	2559.2	2578.8
22.5°	2443.1	2441.7	2441.7	2451.5	2455.7	2468.2	2473.8	2487.8	2500.4	2514.4	2532.6
25°	2405.3	2402.5	2408.1	2409.5	2412.3	2426.3	2430.5	2440.2	2452.9	2465.5	2483.7
27.5°	2349.3	2346.5	2347.9	2353.5	2357.7	2368.9	2371.7	2381.5	2391.3	2402.5	2417.9
30°	2241.6	2238.8	2237.4	2247.2	2251.4	2259.8	2264.0	2280.8	2283.5	2296.1	2307.3
32.5°	2098.8	2097.5	2100.3	2108.6	2112.8	2124.1	2129.6	2139.4	2146.4	2153.4	2164.6
35°	1939.4	1936.5	1939.4	1947.8	1947.8	1957.6	1961.8	1965.9	1964.5	1965.9	1963.1
37.5°	1791.1	1789.6	1791.1	1795.2	1791.1	1795.2	1791.1	1782.6	1767.3	1750.4	1733.6
40°	1665.1	1666.5	1658.1	1663.7	1648.3	1645.5	1630.1	1609.1	1578.4	1544.8	1497.2
42.5°	1530.8	1526.6	1521.0	1523.8	1511.2	1501.4	1476.2	1449.6	1410.4	1354.5	1297.1
45°	1365.7	1364.3	1361.5	1360.1	1351.7	1341.9	1320.9	1290.1	1246.7	1189.4	1120.8
47.5°	1204.7	1200.5	1200.5	1201.9	1192.1	1190.8	1173.9	1147.4	1109.6	1053.6	982.3
50°	1050.8	1049.4	1052.2	1057.8	1050.8	1048.0	1036.9	1018.7	985.1	937.5	870.3
52.5°	912.3	910.9	913.7	920.7	917.9	920.7	909.5	895.5	873.1	826.9	768.2
55°	776.6	776.6	776.6	784.9	784.9	784.9	779.4	771.0	750.0	716.4	661.9
57.5°	635.3	636.6	645.1	646.4	645.1	647.9	646.4	638.0	624.1	600.3	558.3
60°	516.3	516.3	520.5	524.7	523.3	524.7	524.7	520.5	506.5	487.0	453.4
62.5°	408.6	412.8	410.0	412.8	418.4	412.8	410.0	407.2	397.4	384.8	356.8
65°	309.2	312.0	312.0	313.4	310.6	312.0	306.5	302.3	296.7	282.7	264.5
67.5°	235.1	235.1	235.1	235.1	233.7	232.3	230.9	226.7	216.9	211.3	191.7
70°	180.5	172.1	172.1	172.1	172.1	173.5	169.3	163.7	160.9	151.1	137.1
72.5°	120.3	123.1	120.3	120.3	117.5	118.9	113.3	110.5	107.8	102.2	93.8
75°	86.7	79.8	82.5	84.0	79.8	82.5	76.9	71.4	71.4	67.2	63.0
77.5°	56.0	54.6	56.0	57.4	56.0	54.6	51.8	49.0	49.0	47.6	43.4
80°	40.6	39.2	39.2	39.2	37.8	39.2	36.4	36.4	33.6	32.2	29.4
82.5°	26.6	26.6	25.2	26.6	25.2	26.6	22.4	22.4	22.4	21.0	18.2
85°	18.2	15.4	15.4	16.8	14.0	16.8	15.4	14.0	12.6	12.6	11.2
87.5°	8.4	9.8	8.4	9.8	8.4	8.4	9.8	8.4	8.4	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



TEST NUMBER: P248902

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6
2.5°	2851.6	2853.0	2853.0	2858.7	2861.4	2862.8	2862.8	2874.0	2869.8	2872.7	2875.4
5°	2811.1	2819.4	2822.3	2822.3	2837.6	2843.2	2848.8	2861.4	2862.8	2871.2	2881.0
7.5°	2771.9	2781.7	2787.3	2799.9	2809.7	2819.4	2836.3	2844.7	2853.0	2864.3	2876.8
10°	2734.1	2745.3	2756.5	2766.3	2781.7	2794.3	2805.5	2825.0	2834.9	2850.3	2867.0
12.5°	2697.8	2713.1	2722.9	2739.7	2756.5	2767.7	2784.5	2802.7	2818.1	2833.4	2853.0
15°	2665.6	2683.8	2694.9	2713.1	2731.3	2746.7	2764.9	2787.3	2798.5	2816.7	2834.9
17.5°	2630.5	2650.2	2664.2	2680.9	2703.3	2720.1	2735.5	2757.9	2771.9	2791.5	2812.5
20°	2594.2	2613.8	2630.5	2647.4	2669.8	2686.5	2704.7	2727.1	2742.5	2762.1	2778.9
22.5°	2550.8	2569.0	2587.2	2606.8	2629.2	2643.2	2664.2	2683.8	2700.5	2718.7	2735.5
25°	2494.8	2517.3	2531.2	2549.4	2567.6	2583.0	2605.4	2625.0	2638.9	2655.8	2671.1
27.5°	2429.1	2445.9	2457.1	2472.4	2490.6	2504.6	2521.4	2541.0	2555.0	2570.4	2581.6
30°	2317.1	2332.5	2342.3	2353.5	2371.7	2384.3	2398.3	2416.5	2426.3	2437.5	2447.3
32.5°	2170.2	2182.8	2188.4	2196.8	2209.4	2222.0	2233.2	2248.6	2252.8	2259.8	2259.8
35°	1957.6	1960.3	1958.9	1961.8	1967.3	1974.3	1984.1	1993.9	1999.5	1999.5	1995.3
37.5°	1708.5	1691.7	1673.5	1659.5	1655.3	1652.5	1658.1	1662.3	1667.9	1670.7	1663.7
40°	1449.6	1411.9	1371.3	1334.9	1309.7	1298.5	1294.3	1297.1	1297.1	1306.9	1306.9
42.5°	1227.2	1168.3	1108.2	1053.6	1017.2	989.3	976.7	976.7	978.1	985.1	989.3
45°	1042.4	968.3	898.3	838.2	787.8	751.4	734.6	730.4	729.0	731.8	741.6
47.5°	901.1	824.2	751.4	677.2	624.1	587.7	572.3	566.7	561.1	566.7	568.1
50°	790.6	710.8	633.9	559.7	503.7	471.5	451.9	443.5	442.1	442.1	445.0
52.5°	689.8	615.7	538.7	463.2	404.4	373.6	355.4	351.2	345.6	351.2	351.2
55°	594.7	520.5	445.0	373.6	324.6	292.5	275.6	270.1	267.2	271.4	271.4
57.5°	491.2	428.2	358.2	293.8	244.9	222.5	209.9	202.9	201.5	204.3	201.5
60°	403.0	349.8	289.6	230.9	193.1	169.3	159.5	156.7	153.9	156.7	156.7
62.5°	319.0	274.3	225.2	180.5	148.3	131.5	120.3	120.3	118.9	118.9	120.3
65°	236.5	201.5	166.5	128.7	103.6	90.9	82.5	82.5	81.1	82.5	81.1
67.5°	172.1	148.3	120.3	93.8	74.2	67.2	61.6	57.4	60.2	57.4	56.0
70°	126.0	106.3	86.7	71.4	57.4	50.4	46.2	44.8	42.0	42.0	42.0
72.5°	84.0	71.4	58.7	46.2	37.8	30.8	29.4	26.6	23.8	25.2	28.0
75°	56.0	47.6	42.0	33.6	25.2	25.2	16.8	16.8	14.0	16.8	12.6
77.5°	39.2	32.2	25.2	21.0	16.8	15.4	11.2	11.2	9.8	9.8	9.8
80°	28.0	23.8	18.2	15.4	11.2	11.2	9.8	8.4	7.0	7.0	8.4
82.5°	16.8	12.6	12.6	11.2	7.0	5.6	4.2	5.6	2.8	2.8	2.8
85°	9.8	8.4	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



TEST NUMBER: P248902

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6
2.5°	2882.5	2881.0	2883.8	2883.8	2892.2	2890.8	2895.0	2895.0	2892.2	2893.6	2899.2
5°	2892.2	2896.4	2904.8	2911.8	2924.4	2930.0	2937.0	2944.0	2945.4	2949.6	2953.8
7.5°	2892.2	2906.2	2916.0	2928.6	2945.4	2955.2	2970.6	2983.2	2988.8	2995.7	3004.2
10°	2886.6	2900.6	2918.8	2932.8	2953.8	2969.2	2984.6	3004.2	3012.6	3023.7	3035.0
12.5°	2875.4	2890.8	2910.4	2928.6	2952.4	2966.4	2986.0	3004.2	3016.8	3032.1	3044.8
15°	2858.7	2876.8	2895.0	2913.2	2938.4	2955.2	2973.4	2994.4	3007.0	3023.7	3035.0
17.5°	2832.1	2851.6	2868.5	2885.2	2909.0	2928.6	2945.4	2965.0	2977.6	2991.6	3007.0
20°	2799.9	2818.1	2836.3	2850.3	2874.0	2890.8	2909.0	2927.2	2937.0	2939.8	2963.6
22.5°	2759.3	2771.9	2785.9	2808.3	2822.3	2837.6	2854.5	2871.2	2881.0	2896.4	2904.8
25°	2692.1	2704.7	2720.1	2729.9	2746.7	2759.3	2776.1	2794.3	2799.9	2811.1	2819.4
27.5°	2598.4	2605.4	2612.4	2620.7	2630.5	2637.6	2647.4	2655.8	2661.4	2666.9	2672.5
30°	2450.0	2450.0	2450.0	2444.5	2448.7	2452.9	2454.2	2452.9	2452.9	2451.5	2451.5
32.5°	2254.2	2243.0	2230.4	2219.2	2215.0	2209.4	2206.6	2202.4	2195.4	2191.2	2192.6
35°	1989.7	1964.5	1949.1	1935.2	1924.0	1915.6	1911.4	1907.2	1905.8	1900.2	1894.5
37.5°	1659.5	1641.3	1630.1	1621.7	1611.9	1603.5	1604.9	1606.3	1610.5	1607.7	1609.1
40°	1309.7	1305.5	1309.7	1299.9	1297.1	1299.9	1306.9	1316.7	1322.3	1327.9	1337.7
42.5°	996.3	1003.2	1013.1	1013.1	1017.2	1022.9	1031.2	1046.7	1055.0	1064.8	1076.0
45°	750.0	758.4	771.0	775.2	778.0	784.9	794.8	807.3	812.9	821.3	831.1
47.5°	577.9	583.5	590.5	597.5	604.4	607.3	617.1	617.1	624.1	629.7	632.4
50°	450.6	456.1	461.7	465.9	468.8	473.0	475.7	479.9	481.3	484.1	485.5
52.5°	352.6	359.6	359.6	362.4	366.6	370.8	369.4	370.8	372.2	372.2	376.4
55°	275.6	275.6	279.8	279.8	282.7	281.2	282.7	282.7	282.7	282.7	284.1
57.5°	205.7	207.1	211.3	208.5	207.1	209.9	207.1	209.9	208.5	211.3	207.1
60°	158.1	158.1	159.5	159.5	160.9	160.9	160.9	159.5	159.5	158.1	158.1
62.5°	118.9	120.3	121.8	120.3	120.3	120.3	118.9	118.9	117.5	116.1	116.1
65°	79.8	78.4	81.1	78.4	79.8	79.8	78.4	79.8	75.6	76.9	75.6
67.5°	57.4	56.0	54.6	56.0	54.6	53.2	53.2	54.6	56.0	51.8	51.8
70°	37.8	39.2	37.8	39.2	40.6	40.6	39.2	37.8	39.2	36.4	37.8
72.5°	23.8	23.8	23.8	23.8	23.8	25.2	25.2	25.2	22.4	22.4	21.0
75°	11.2	15.4	12.6	11.2	15.4	15.4	14.0	14.0	12.6	12.6	12.6
77.5°	11.2	8.4	8.4	8.4	8.4	8.4	8.4	8.4	7.0	8.4	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: P248902

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6
2.5°	2897.8	2896.4	2897.8	2899.2	2897.8	2896.4	2897.8	2899.2	2893.6	2892.2	2895.0
5°	2959.4	2959.4	2962.2	2963.6	2962.2	2959.4	2959.4	2953.8	2949.6	2945.4	2944.0
7.5°	3012.6	3015.4	3018.1	3019.5	3018.1	3015.4	3012.6	3004.2	2995.7	2988.8	2983.2
10°	3044.8	3049.0	3054.5	3057.3	3054.5	3049.0	3044.8	3035.0	3023.7	3012.6	3004.2
12.5°	3058.7	3063.0	3069.9	3068.5	3069.9	3063.0	3058.7	3044.8	3032.1	3016.8	3004.2
15°	3049.0	3054.5	3061.5	3064.3	3061.5	3054.5	3049.0	3035.0	3023.7	3007.0	2994.4
17.5°	3018.1	3026.6	3030.8	3035.0	3030.8	3026.6	3018.1	3007.0	2991.6	2977.6	2965.0
20°	2976.2	2981.8	2987.4	2988.8	2987.4	2981.8	2976.2	2963.6	2939.8	2937.0	2927.2
22.5°	2916.0	2920.2	2932.8	2928.6	2932.8	2920.2	2916.0	2904.8	2896.4	2881.0	2871.2
25°	2829.2	2833.4	2834.9	2836.3	2834.9	2833.4	2829.2	2819.4	2811.1	2799.9	2794.3
27.5°	2679.6	2679.6	2682.3	2683.8	2682.3	2679.6	2679.6	2672.5	2666.9	2661.4	2655.8
30°	2452.9	2452.9	2452.9	2459.9	2452.9	2452.9	2452.9	2451.5	2451.5	2452.9	2452.9
32.5°	2191.2	2188.4	2185.6	2188.4	2185.6	2188.4	2191.2	2192.6	2191.2	2195.4	2202.4
35°	1894.5	1893.2	1897.4	1891.8	1897.4	1893.2	1894.5	1894.5	1900.2	1905.8	1907.2
37.5°	1610.5	1607.7	1613.3	1607.7	1613.3	1607.7	1610.5	1609.1	1607.7	1610.5	1606.3
40°	1340.5	1343.3	1343.3	1354.5	1343.3	1343.3	1340.5	1337.7	1327.9	1322.3	1316.7
42.5°	1081.6	1090.0	1087.2	1095.6	1087.2	1090.0	1081.6	1076.0	1064.8	1055.0	1046.7
45°	836.7	842.4	842.4	845.1	842.4	842.4	836.7	831.1	821.3	812.9	807.3
47.5°	642.2	642.2	642.2	643.7	642.2	642.2	642.2	632.4	629.7	624.1	617.1
50°	488.3	489.7	491.2	492.5	491.2	489.7	488.3	485.5	484.1	481.3	479.9
52.5°	375.0	376.4	373.6	376.4	373.6	376.4	375.0	376.4	372.2	372.2	370.8
55°	284.1	282.7	284.1	285.4	284.1	282.7	284.1	284.1	282.7	282.7	282.7
57.5°	208.5	205.7	205.7	205.7	205.7	205.7	208.5	207.1	211.3	208.5	209.9
60°	155.3	156.7	156.7	158.1	156.7	156.7	155.3	158.1	158.1	159.5	159.5
62.5°	114.7	118.9	116.1	118.9	116.1	118.9	114.7	116.1	116.1	117.5	118.9
65°	74.2	74.2	74.2	75.6	74.2	74.2	74.2	75.6	76.9	75.6	79.8
67.5°	50.4	51.8	54.6	53.2	54.6	51.8	50.4	51.8	51.8	56.0	54.6
70°	40.6	36.4	36.4	40.6	36.4	36.4	40.6	37.8	36.4	39.2	37.8
72.5°	23.8	21.0	23.8	23.8	23.8	21.0	23.8	21.0	22.4	22.4	25.2
75°	12.6	11.2	9.8	14.0	9.8	11.2	12.6	12.6	12.6	12.6	14.0
77.5°	8.4	7.0	9.8	9.8	9.8	7.0	8.4	7.0	8.4	7.0	8.4
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: P248902

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6
2.5°	2895.0	2890.8	2892.2	2883.8	2883.8	2881.0	2882.5	2875.4	2872.7	2869.8	2874.0
5°	2937.0	2930.0	2924.4	2911.8	2904.8	2896.4	2892.2	2881.0	2871.2	2862.8	2861.4
7.5°	2970.6	2955.2	2945.4	2928.6	2916.0	2906.2	2892.2	2876.8	2864.3	2853.0	2844.7
10°	2984.6	2969.2	2953.8	2932.8	2918.8	2900.6	2886.6	2867.0	2850.3	2834.9	2825.0
12.5°	2986.0	2966.4	2952.4	2928.6	2910.4	2890.8	2875.4	2853.0	2833.4	2818.1	2802.7
15°	2973.4	2955.2	2938.4	2913.2	2895.0	2876.8	2858.7	2834.9	2816.7	2798.5	2787.3
17.5°	2945.4	2928.6	2909.0	2885.2	2868.5	2851.6	2832.1	2812.5	2791.5	2771.9	2757.9
20°	2909.0	2890.8	2874.0	2850.3	2836.3	2818.1	2799.9	2778.9	2762.1	2742.5	2727.1
22.5°	2854.5	2837.6	2822.3	2808.3	2785.9	2771.9	2759.3	2735.5	2718.7	2700.5	2683.8
25°	2776.1	2759.3	2746.7	2729.9	2720.1	2704.7	2692.1	2671.1	2655.8	2638.9	2625.0
27.5°	2647.4	2637.6	2630.5	2620.7	2612.4	2605.4	2598.4	2581.6	2570.4	2555.0	2541.0
30°	2454.2	2452.9	2448.7	2444.5	2450.0	2450.0	2450.0	2447.3	2437.5	2426.3	2416.5
32.5°	2206.6	2209.4	2215.0	2219.2	2230.4	2243.0	2254.2	2259.8	2259.8	2252.8	2248.6
35°	1911.4	1915.6	1924.0	1935.2	1949.1	1964.5	1989.7	1995.3	1999.5	1999.5	1993.9
37.5°	1604.9	1603.5	1611.9	1621.7	1630.1	1641.3	1659.5	1663.7	1670.7	1667.9	1662.3
40°	1306.9	1299.9	1297.1	1299.9	1309.7	1305.5	1309.7	1306.9	1306.9	1297.1	1297.1
42.5°	1031.2	1022.9	1017.2	1013.1	1013.1	1003.2	996.3	989.3	985.1	978.1	976.7
45°	794.8	784.9	778.0	775.2	771.0	758.4	750.0	741.6	731.8	729.0	730.4
47.5°	617.1	607.3	604.4	597.5	590.5	583.5	577.9	568.1	566.7	561.1	566.7
50°	475.7	473.0	468.8	465.9	461.7	456.1	450.6	445.0	442.1	442.1	443.5
52.5°	369.4	370.8	366.6	362.4	359.6	359.6	352.6	351.2	351.2	345.6	351.2
55°	282.7	281.2	282.7	279.8	279.8	275.6	275.6	271.4	271.4	267.2	270.1
57.5°	207.1	209.9	207.1	208.5	211.3	207.1	205.7	201.5	204.3	201.5	202.9
60°	160.9	160.9	160.9	159.5	159.5	158.1	158.1	156.7	156.7	153.9	156.7
62.5°	118.9	120.3	120.3	120.3	121.8	120.3	118.9	120.3	118.9	118.9	120.3
65°	78.4	79.8	79.8	78.4	81.1	78.4	79.8	81.1	82.5	81.1	82.5
67.5°	53.2	53.2	54.6	56.0	54.6	56.0	57.4	56.0	57.4	60.2	57.4
70°	39.2	40.6	40.6	39.2	37.8	39.2	37.8	42.0	42.0	42.0	44.8
72.5°	25.2	25.2	23.8	23.8	23.8	23.8	23.8	28.0	25.2	23.8	26.6
75°	14.0	15.4	15.4	11.2	12.6	15.4	11.2	12.6	16.8	14.0	16.8
77.5°	8.4	8.4	8.4	8.4	8.4	8.4	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	8.4	7.0	7.0	8.4
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: P248902

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6
2.5°	2862.8	2862.8	2861.4	2858.7	2853.0	2853.0	2851.6	2847.4	2844.7	2843.2	2843.2
5°	2848.8	2843.2	2837.6	2822.3	2822.3	2819.4	2811.1	2805.5	2802.7	2795.7	2792.9
7.5°	2836.3	2819.4	2809.7	2799.9	2787.3	2781.7	2771.9	2767.7	2757.9	2750.9	2746.7
10°	2805.5	2794.3	2781.7	2766.3	2756.5	2745.3	2734.1	2725.7	2713.1	2706.1	2700.5
12.5°	2784.5	2767.7	2756.5	2739.7	2722.9	2713.1	2697.8	2688.0	2675.3	2661.4	2652.9
15°	2764.9	2746.7	2731.3	2713.1	2694.9	2683.8	2665.6	2654.4	2636.2	2622.2	2612.4
17.5°	2735.5	2720.1	2703.3	2680.9	2664.2	2650.2	2630.5	2616.6	2599.8	2581.6	2571.8
20°	2704.7	2686.5	2669.8	2647.4	2630.5	2613.8	2594.2	2578.8	2559.2	2542.4	2531.2
22.5°	2664.2	2643.2	2629.2	2606.8	2587.2	2569.0	2550.8	2532.6	2514.4	2500.4	2487.8
25°	2605.4	2583.0	2567.6	2549.4	2531.2	2517.3	2494.8	2483.7	2465.5	2452.9	2440.2
27.5°	2521.4	2504.6	2490.6	2472.4	2457.1	2445.9	2429.1	2417.9	2402.5	2391.3	2381.5
30°	2398.3	2384.3	2371.7	2353.5	2342.3	2332.5	2317.1	2307.3	2296.1	2283.5	2280.8
32.5°	2233.2	2222.0	2209.4	2196.8	2188.4	2182.8	2170.2	2164.6	2153.4	2146.4	2139.4
35°	1984.1	1974.3	1967.3	1961.8	1958.9	1960.3	1957.6	1963.1	1965.9	1964.5	1965.9
37.5°	1658.1	1652.5	1655.3	1659.5	1673.5	1691.7	1708.5	1733.6	1750.4	1767.3	1782.6
40°	1294.3	1298.5	1309.7	1334.9	1371.3	1411.9	1449.6	1497.2	1544.8	1578.4	1609.1
42.5°	976.7	989.3	1017.2	1053.6	1108.2	1168.3	1227.2	1297.1	1354.5	1410.4	1449.6
45°	734.6	751.4	787.8	838.2	898.3	968.3	1042.4	1120.8	1189.4	1246.7	1290.1
47.5°	572.3	587.7	624.1	677.2	751.4	824.2	901.1	982.3	1053.6	1109.6	1147.4
50°	451.9	471.5	503.7	559.7	633.9	710.8	790.6	870.3	937.5	985.1	1018.7
52.5°	355.4	373.6	404.4	463.2	538.7	615.7	689.8	768.2	826.9	873.1	895.5
55°	275.6	292.5	324.6	373.6	445.0	520.5	594.7	661.9	716.4	750.0	771.0
57.5°	209.9	222.5	244.9	293.8	358.2	428.2	491.2	558.3	600.3	624.1	638.0
60°	159.5	169.3	193.1	230.9	289.6	349.8	403.0	453.4	487.0	506.5	520.5
62.5°	120.3	131.5	148.3	180.5	225.2	274.3	319.0	356.8	384.8	397.4	407.2
65°	82.5	90.9	103.6	128.7	166.5	201.5	236.5	264.5	282.7	296.7	302.3
67.5°	61.6	67.2	74.2	93.8	120.3	148.3	172.1	191.7	211.3	216.9	226.7
70°	46.2	50.4	57.4	71.4	86.7	106.3	126.0	137.1	151.1	160.9	163.7
72.5°	29.4	30.8	37.8	46.2	58.7	71.4	84.0	93.8	102.2	107.8	110.5
75°	16.8	25.2	25.2	33.6	42.0	47.6	56.0	63.0	67.2	71.4	71.4
77.5°	11.2	15.4	16.8	21.0	25.2	32.2	39.2	43.4	47.6	49.0	49.0
80°	9.8	11.2	11.2	15.4	18.2	23.8	28.0	29.4	32.2	33.6	36.4
82.5°	4.2	5.6	7.0	11.2	12.6	12.6	16.8	18.2	21.0	22.4	22.4
85°	1.4	2.8	2.8	4.2	7.0	8.4	9.8	11.2	12.6	12.6	14.0
87.5°	1.4	1.4	0.0	1.4	2.8	2.8	5.6	5.6	5.6	8.4	8.4
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: P248902

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6	2865.6
2.5°	2840.5	2841.9	2836.3	2834.9	2832.1	2833.4	2836.3
5°	2788.7	2790.1	2784.5	2778.9	2778.9	2777.5	2778.9
7.5°	2739.7	2741.1	2732.7	2729.9	2724.3	2725.7	2725.7
10°	2690.7	2690.7	2678.2	2676.7	2672.5	2671.1	2671.1
12.5°	2643.2	2638.9	2629.2	2623.6	2626.4	2618.0	2618.0
15°	2601.2	2594.2	2581.6	2577.4	2570.4	2567.6	2567.6
17.5°	2557.8	2552.2	2541.0	2532.6	2524.2	2522.8	2524.2
20°	2515.8	2510.2	2496.2	2490.6	2483.7	2483.7	2480.9
22.5°	2473.8	2468.2	2455.7	2451.5	2441.7	2441.7	2443.1
25°	2430.5	2426.3	2412.3	2409.5	2408.1	2402.5	2405.3
27.5°	2371.7	2368.9	2357.7	2353.5	2347.9	2346.5	2349.3
30°	2264.0	2259.8	2251.4	2247.2	2237.4	2238.8	2241.6
32.5°	2129.6	2124.1	2112.8	2108.6	2100.3	2097.5	2098.8
35°	1961.8	1957.6	1947.8	1947.8	1939.4	1936.5	1939.4
37.5°	1791.1	1795.2	1791.1	1795.2	1791.1	1789.6	1791.1
40°	1630.1	1645.5	1648.3	1663.7	1658.1	1666.5	1665.1
42.5°	1476.2	1501.4	1511.2	1523.8	1521.0	1526.6	1530.8
45°	1320.9	1341.9	1351.7	1360.1	1361.5	1364.3	1365.7
47.5°	1173.9	1190.8	1192.1	1201.9	1200.5	1200.5	1204.7
50°	1036.9	1048.0	1050.8	1057.8	1052.2	1049.4	1050.8
52.5°	909.5	920.7	917.9	920.7	913.7	910.9	912.3
55°	779.4	784.9	784.9	784.9	776.6	776.6	776.6
57.5°	646.4	647.9	645.1	646.4	645.1	636.6	635.3
60°	524.7	524.7	523.3	524.7	520.5	516.3	516.3
62.5°	410.0	412.8	418.4	412.8	410.0	412.8	408.6
65°	306.5	312.0	310.6	313.4	312.0	312.0	309.2
67.5°	230.9	232.3	233.7	235.1	235.1	235.1	235.1
70°	169.3	173.5	172.1	172.1	172.1	172.1	180.5
72.5°	113.3	118.9	117.5	120.3	120.3	123.1	120.3
75°	76.9	82.5	79.8	84.0	82.5	79.8	86.7
77.5°	51.8	54.6	56.0	57.4	56.0	54.6	56.0
80°	36.4	39.2	37.8	39.2	39.2	39.2	40.6
82.5°	22.4	26.6	25.2	26.6	25.2	26.6	26.6
85°	15.4	16.8	14.0	16.8	15.4	15.4	18.2
87.5°	9.8	8.4	8.4	9.8	8.4	9.8	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)