

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: P248641

Luminaire Tested: **LD8B60D010 ER8B60930 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248641  
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 ER8B60930 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5151.0 lumens  
Efficiency: N/A  
Efficacy: 86.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

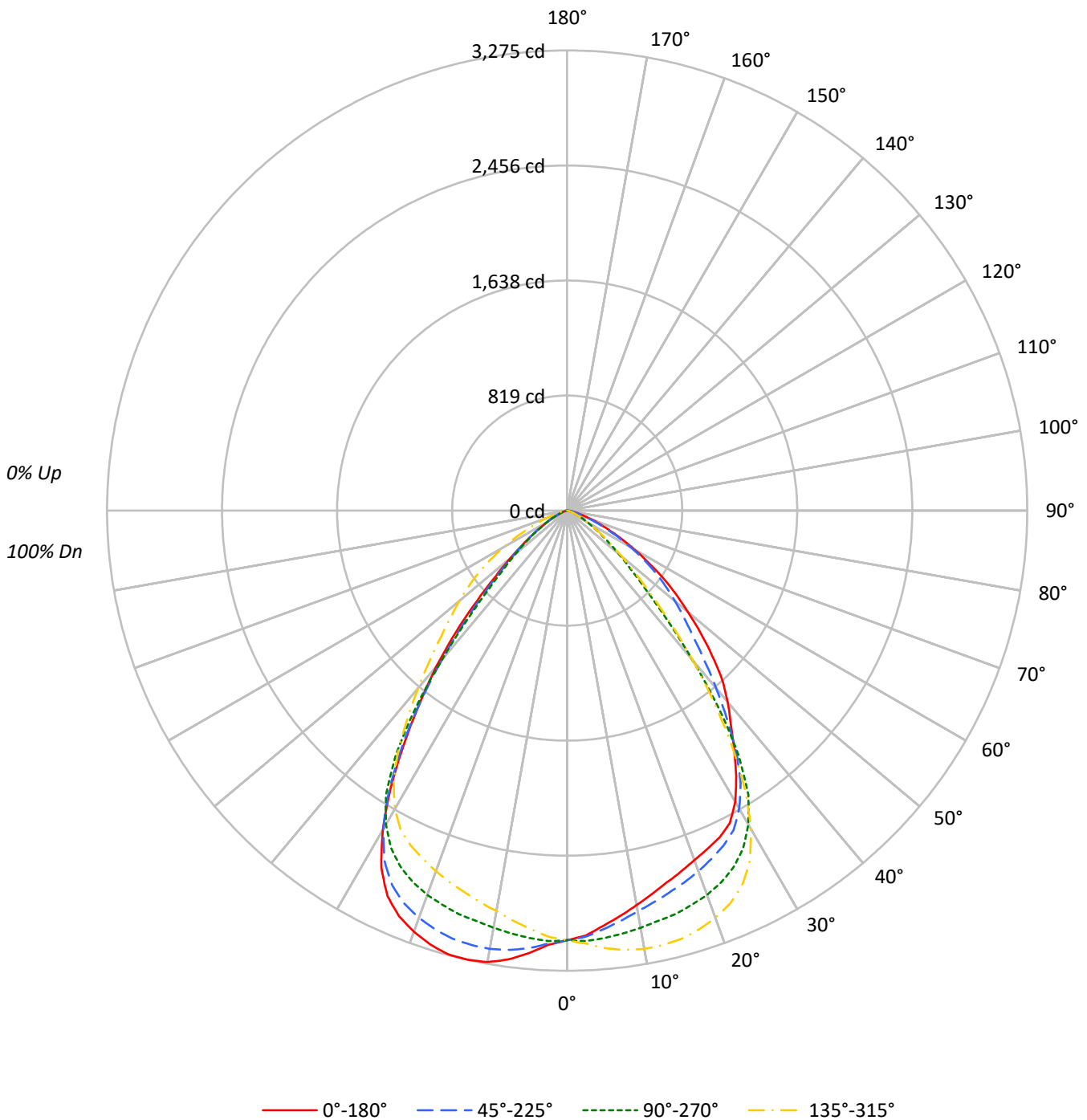
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

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

	0°	90°	180°	270°
0°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	291.1	5.7
10°-20°	842.9	16.4
20°-30°	1276.3	24.8
30°-40°	1279.1	24.8
40°-50°	803.2	15.6
50°-60°	428.1	8.3
60°-70°	176.0	3.4
70°-80°	46.5	0.9
80°-90°	7.9	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°	2410.2	46.8
0°-40°	3689.3	71.6
0°-60°	4920.6	95.5
0°-90°	5151.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5151.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3058	3058	3058	3058	3058	
5°	2965	3054	3163	3054	2965	280
15°	2740	2974	3270	2974	2740	775
25°	2567	2801	3027	2801	2567	1177
35°	2070	2128	2019	2128	2070	1297
45°	1457	779	902	779	1457	1121
55°	829	288	305	288	829	739
65°	330	88	81	88	330	342
75°	93	18	15	18	93	105
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°	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0
2.5°	3026.6	3023.7	3022.1	3025.1	3026.6	3032.6	3031.1	3034.1	3034.1	3035.6	3038.6
5°	2965.4	2963.9	2965.4	2965.4	2971.4	2977.4	2975.9	2980.4	2983.3	2990.8	2993.7
7.5°	2908.7	2908.7	2907.2	2913.1	2916.2	2925.1	2923.6	2931.1	2935.6	2943.0	2953.4
10°	2850.5	2850.5	2851.9	2856.4	2857.9	2871.3	2871.3	2881.8	2887.7	2895.2	2908.7
12.5°	2793.8	2793.8	2802.7	2799.7	2805.6	2816.1	2820.5	2831.0	2839.9	2855.0	2868.4
15°	2739.9	2739.9	2743.0	2750.4	2754.9	2768.3	2775.7	2787.7	2798.2	2813.1	2832.5
17.5°	2693.7	2692.2	2693.7	2702.6	2711.6	2723.5	2729.5	2744.4	2754.9	2774.3	2792.2
20°	2647.4	2650.4	2650.4	2657.8	2663.8	2678.7	2684.7	2701.2	2713.0	2731.0	2751.9
22.5°	2607.1	2605.5	2605.5	2616.1	2620.6	2633.9	2639.8	2654.8	2668.3	2683.2	2702.6
25°	2566.8	2563.7	2569.8	2571.2	2574.2	2589.1	2593.5	2604.1	2617.5	2631.0	2650.4
27.5°	2507.0	2504.1	2505.5	2511.5	2516.0	2527.9	2530.9	2541.3	2551.8	2563.7	2580.2
30°	2392.0	2389.1	2387.6	2398.0	2402.5	2411.4	2415.9	2433.9	2436.8	2450.3	2462.2
32.5°	2239.8	2238.2	2241.2	2250.2	2254.7	2266.7	2272.6	2283.0	2290.4	2297.9	2309.9
35°	2069.5	2066.6	2069.5	2078.4	2078.4	2089.0	2093.5	2097.8	2096.4	2097.8	2094.9
37.5°	1911.3	1909.7	1911.3	1915.7	1911.3	1915.7	1911.3	1902.3	1885.9	1867.9	1850.0
40°	1776.9	1778.4	1769.4	1775.3	1759.0	1755.9	1739.6	1717.1	1684.3	1648.4	1597.6
42.5°	1633.5	1629.0	1623.1	1626.0	1612.7	1602.1	1575.2	1547.0	1505.1	1445.4	1384.1
45°	1457.3	1455.8	1452.8	1451.4	1442.4	1432.0	1409.5	1376.7	1330.4	1269.2	1196.0
47.5°	1285.6	1281.1	1281.1	1282.6	1272.1	1270.7	1252.7	1224.4	1184.1	1124.4	1048.2
50°	1121.3	1119.9	1122.9	1128.8	1121.3	1118.4	1106.4	1087.0	1051.2	1000.5	928.7
52.5°	973.5	972.0	975.0	982.4	979.5	982.4	970.6	955.7	931.8	882.5	819.8
55°	828.8	828.8	828.8	837.6	837.6	837.6	831.7	822.8	800.3	764.5	706.3
57.5°	677.9	679.3	688.3	689.9	688.3	691.3	689.9	680.9	666.0	640.5	595.8
60°	551.0	551.0	555.5	559.9	558.4	559.9	559.9	555.5	540.5	519.7	483.8
62.5°	436.0	440.4	437.4	440.4	446.5	440.4	437.4	434.5	424.1	410.6	380.7
65°	330.0	332.9	332.9	334.5	331.5	332.9	327.0	322.5	316.6	301.7	282.3
67.5°	250.9	250.9	250.9	250.9	249.3	247.9	246.4	241.9	231.5	225.5	204.6
70°	192.6	183.6	183.6	183.6	183.6	185.2	180.7	174.8	171.7	161.3	146.3
72.5°	128.4	131.4	128.4	128.4	125.4	126.9	121.0	117.9	115.0	109.1	100.1
75°	92.6	85.1	88.1	89.6	85.1	88.1	82.1	76.1	76.1	71.6	67.1
77.5°	59.7	58.3	59.7	61.2	59.7	58.3	55.3	52.2	52.2	50.8	46.3
80°	43.4	41.8	41.8	41.8	40.4	41.8	38.8	38.8	35.9	34.3	31.4
82.5°	28.4	28.4	26.9	28.4	26.9	28.4	23.9	23.9	23.9	22.4	19.4
85°	19.4	16.4	16.4	17.9	14.9	17.9	16.4	14.9	13.5	13.5	11.9
87.5°	9.0	10.4	9.0	10.4	9.0	9.0	10.4	9.0	9.0	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°	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0
2.5°	3043.1	3044.5	3044.5	3050.6	3053.5	3054.9	3054.9	3066.9	3062.5	3065.5	3068.4
5°	2999.8	3008.7	3011.7	3011.7	3028.2	3034.1	3040.0	3053.5	3054.9	3063.9	3074.3
7.5°	2957.9	2968.4	2974.3	2987.8	2998.2	3008.7	3026.6	3035.6	3044.5	3056.5	3069.9
10°	2917.6	2929.6	2941.5	2951.9	2968.4	2981.9	2993.7	3014.7	3025.1	3041.6	3059.4
12.5°	2878.8	2895.2	2905.6	2923.6	2941.5	2953.4	2971.4	2990.8	3007.2	3023.7	3044.5
15°	2844.4	2863.9	2875.8	2895.2	2914.7	2931.1	2950.5	2974.3	2986.3	3005.7	3025.1
17.5°	2807.1	2828.1	2843.0	2860.9	2884.8	2902.7	2919.2	2943.0	2957.9	2978.8	3001.3
20°	2768.3	2789.3	2807.1	2825.0	2848.9	2866.8	2886.2	2910.2	2926.6	2947.4	2965.4
22.5°	2722.0	2741.5	2760.8	2781.8	2805.6	2820.5	2843.0	2863.9	2881.8	2901.1	2919.2
25°	2662.3	2686.3	2701.2	2720.6	2739.9	2756.3	2780.2	2801.2	2816.1	2834.0	2850.5
27.5°	2592.1	2610.0	2622.0	2638.4	2657.8	2672.8	2690.6	2711.6	2726.5	2743.0	2754.9
30°	2472.6	2489.1	2499.6	2511.5	2530.9	2544.3	2559.4	2578.6	2589.1	2601.1	2611.6
32.5°	2315.9	2329.3	2335.3	2344.2	2357.7	2371.1	2383.1	2399.5	2404.0	2411.4	2411.4
35°	2089.0	2091.9	2090.4	2093.5	2099.4	2106.8	2117.2	2127.8	2133.7	2133.7	2129.2
37.5°	1823.1	1805.3	1785.9	1770.8	1766.4	1763.4	1769.4	1773.9	1779.9	1782.8	1775.3
40°	1547.0	1506.6	1463.2	1424.5	1397.6	1385.7	1381.2	1384.1	1384.1	1394.5	1394.5
42.5°	1309.6	1246.8	1182.7	1124.4	1085.5	1055.6	1042.2	1042.2	1043.7	1051.2	1055.6
45°	1112.4	1033.2	958.6	894.4	840.6	801.9	783.9	779.4	778.0	780.9	791.3
47.5°	961.6	879.5	801.9	722.7	666.0	627.1	610.7	604.7	598.7	604.7	606.2
50°	843.7	758.6	676.4	597.3	537.5	503.2	482.3	473.3	471.8	471.8	474.9
52.5°	736.0	657.0	574.8	494.2	431.5	398.7	379.2	374.8	368.8	374.8	374.8
55°	634.6	555.5	474.9	398.7	346.4	312.1	294.2	288.2	285.2	289.7	289.7
57.5°	524.2	456.9	382.3	313.5	261.3	237.4	224.0	216.6	215.0	218.0	215.0
60°	430.0	373.3	309.1	246.4	206.0	180.7	170.3	167.3	164.2	167.3	167.3
62.5°	340.4	292.7	240.3	192.6	158.3	140.3	128.4	128.4	126.9	126.9	128.4
65°	252.3	215.0	177.7	137.3	110.5	97.1	88.1	88.1	86.5	88.1	86.5
67.5°	183.6	158.3	128.4	100.1	79.1	71.6	65.7	61.2	64.2	61.2	59.7
70°	134.4	113.4	92.6	76.1	61.2	53.8	49.3	47.8	44.8	44.8	44.8
72.5°	89.6	76.1	62.7	49.3	40.4	32.8	31.4	28.4	25.3	26.9	29.8
75°	59.7	50.8	44.8	35.9	26.9	26.9	17.9	17.9	14.9	17.9	13.5
77.5°	41.8	34.3	26.9	22.4	17.9	16.4	11.9	11.9	10.4	10.4	10.4
80°	29.8	25.3	19.4	16.4	11.9	11.9	10.4	9.0	7.4	7.4	9.0
82.5°	17.9	13.5	13.5	11.9	7.4	5.9	4.5	5.9	3.0	3.0	3.0
85°	10.4	9.0	7.4	4.5	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°	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0
2.5°	3075.9	3074.3	3077.4	3077.4	3086.3	3084.9	3089.4	3089.4	3086.3	3087.9	3093.8
5°	3086.3	3090.8	3099.8	3107.3	3120.6	3126.7	3134.1	3141.6	3143.1	3147.5	3152.0
7.5°	3086.3	3101.4	3111.8	3125.1	3143.1	3153.6	3170.0	3183.4	3189.4	3196.9	3205.8
10°	3080.4	3095.3	3114.7	3129.6	3152.0	3168.5	3184.9	3205.8	3214.8	3226.7	3238.7
12.5°	3068.4	3084.9	3105.7	3125.1	3150.6	3165.5	3186.3	3205.8	3219.3	3235.7	3249.1
15°	3050.6	3069.9	3089.4	3108.8	3135.7	3153.6	3173.0	3195.3	3208.8	3226.7	3238.7
17.5°	3022.1	3043.1	3061.0	3078.8	3104.3	3125.1	3143.1	3164.0	3177.5	3192.4	3208.8
20°	2987.8	3007.2	3026.6	3041.6	3066.9	3084.9	3104.3	3123.7	3134.1	3137.1	3162.6
22.5°	2944.5	2957.9	2972.9	2996.8	3011.7	3028.2	3046.1	3063.9	3074.3	3090.8	3099.8
25°	2872.8	2886.2	2902.7	2913.1	2931.1	2944.5	2962.5	2981.9	2987.8	2999.8	3008.7
27.5°	2772.8	2780.2	2787.7	2796.7	2807.1	2814.6	2825.0	2834.0	2839.9	2846.0	2851.9
30°	2614.5	2614.5	2614.5	2608.6	2613.1	2617.5	2619.0	2617.5	2617.5	2616.1	2616.1
32.5°	2405.4	2393.6	2380.1	2368.1	2363.6	2357.7	2354.7	2350.2	2342.8	2338.3	2339.8
35°	2123.3	2096.4	2080.0	2065.0	2053.1	2044.1	2039.7	2035.2	2033.7	2027.8	2021.7
37.5°	1770.8	1751.5	1739.6	1730.6	1720.2	1711.2	1712.7	1714.1	1718.6	1715.7	1717.1
40°	1397.6	1393.1	1397.6	1387.1	1384.1	1387.1	1394.5	1405.1	1411.0	1417.1	1427.5
42.5°	1063.2	1070.6	1081.1	1081.1	1085.5	1091.5	1100.5	1116.9	1125.8	1136.2	1148.2
45°	800.3	809.2	822.8	827.2	830.2	837.6	848.1	861.5	867.5	876.5	886.9
47.5°	616.7	622.6	630.1	637.6	645.0	648.1	658.5	658.5	666.0	671.9	674.8
50°	480.8	486.7	492.7	497.2	500.2	504.7	507.7	512.2	513.6	516.7	518.1
52.5°	376.2	383.7	383.7	386.7	391.2	395.7	394.3	395.7	397.2	397.2	401.7
55°	294.2	294.2	298.6	298.6	301.7	300.1	301.7	301.7	301.7	301.7	303.1
57.5°	219.5	221.1	225.5	222.5	221.1	224.0	221.1	224.0	222.5	225.5	221.1
60°	168.7	168.7	170.3	170.3	171.7	171.7	171.7	170.3	170.3	168.7	168.7
62.5°	126.9	128.4	129.9	128.4	128.4	128.4	126.9	126.9	125.4	123.9	123.9
65°	85.1	83.6	86.5	83.6	85.1	85.1	83.6	85.1	80.6	82.1	80.6
67.5°	61.2	59.7	58.3	59.7	58.3	56.7	56.7	58.3	59.7	55.3	55.3
70°	40.4	41.8	40.4	41.8	43.4	43.4	41.8	40.4	41.8	38.8	40.4
72.5°	25.3	25.3	25.3	25.3	25.3	26.9	26.9	26.9	23.9	23.9	22.4
75°	11.9	16.4	13.5	11.9	16.4	16.4	14.9	14.9	13.5	13.5	13.5
77.5°	11.9	9.0	9.0	9.0	9.0	9.0	9.0	9.0	7.4	9.0	7.4
80°	5.9	5.9	5.9	4.5	5.9	5.9	7.4	5.9	5.9	4.5	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: P248641

CATALOG NUMBER: LD8B60D010 ER8B60930 8LBSWOH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0
2.5°	3092.4	3090.8	3092.4	3093.8	3092.4	3090.8	3092.4	3093.8	3087.9	3086.3	3089.4
5°	3158.1	3158.1	3161.0	3162.6	3161.0	3158.1	3158.1	3152.0	3147.5	3143.1	3141.6
7.5°	3214.8	3217.8	3220.7	3222.2	3220.7	3217.8	3214.8	3205.8	3196.9	3189.4	3183.4
10°	3249.1	3253.6	3259.5	3262.6	3259.5	3253.6	3249.1	3238.7	3226.7	3214.8	3205.8
12.5°	3264.0	3268.5	3276.0	3274.6	3276.0	3268.5	3264.0	3249.1	3235.7	3219.3	3205.8
15°	3253.6	3259.5	3267.0	3270.1	3267.0	3259.5	3253.6	3238.7	3226.7	3208.8	3195.3
17.5°	3220.7	3229.7	3234.2	3238.7	3234.2	3229.7	3220.7	3208.8	3192.4	3177.5	3164.0
20°	3175.9	3182.0	3187.9	3189.4	3187.9	3182.0	3175.9	3162.6	3137.1	3134.1	3123.7
22.5°	3111.8	3116.3	3129.6	3125.1	3129.6	3116.3	3111.8	3099.8	3090.8	3074.3	3063.9
25°	3019.2	3023.7	3025.1	3026.6	3025.1	3023.7	3019.2	3008.7	2999.8	2987.8	2981.9
27.5°	2859.4	2859.4	2862.4	2863.9	2862.4	2859.4	2859.4	2851.9	2846.0	2839.9	2834.0
30°	2617.5	2617.5	2617.5	2625.0	2617.5	2617.5	2617.5	2616.1	2616.1	2617.5	2617.5
32.5°	2338.3	2335.3	2332.4	2335.3	2332.4	2335.3	2338.3	2339.8	2338.3	2342.8	2350.2
35°	2021.7	2020.3	2024.8	2018.8	2024.8	2020.3	2021.7	2021.7	2027.8	2033.7	2035.2
37.5°	1718.6	1715.7	1721.6	1715.7	1721.6	1715.7	1718.6	1717.1	1715.7	1718.6	1714.1
40°	1430.5	1433.4	1433.4	1445.4	1433.4	1433.4	1430.5	1427.5	1417.1	1411.0	1405.1
42.5°	1154.2	1163.1	1160.1	1169.1	1160.1	1163.1	1154.2	1148.2	1136.2	1125.8	1116.9
45°	892.9	898.9	898.9	901.8	898.9	898.9	892.9	886.9	876.5	867.5	861.5
47.5°	685.4	685.4	685.4	686.8	685.4	685.4	685.4	674.8	671.9	666.0	658.5
50°	521.2	522.6	524.2	525.6	524.2	522.6	521.2	518.1	516.7	513.6	512.2
52.5°	400.2	401.7	398.7	401.7	398.7	401.7	400.2	401.7	397.2	397.2	395.7
55°	303.1	301.7	303.1	304.6	303.1	301.7	303.1	303.1	301.7	301.7	301.7
57.5°	222.5	219.5	219.5	219.5	219.5	219.5	222.5	221.1	225.5	222.5	224.0
60°	165.8	167.3	167.3	168.7	167.3	167.3	165.8	168.7	168.7	170.3	170.3
62.5°	122.4	126.9	123.9	126.9	123.9	126.9	122.4	123.9	123.9	125.4	126.9
65°	79.1	79.1	79.1	80.6	79.1	79.1	79.1	80.6	82.1	80.6	85.1
67.5°	53.8	55.3	58.3	56.7	58.3	55.3	53.8	55.3	55.3	59.7	58.3
70°	43.4	38.8	38.8	43.4	38.8	38.8	43.4	40.4	38.8	41.8	40.4
72.5°	25.3	22.4	25.3	25.3	25.3	22.4	25.3	22.4	23.9	23.9	26.9
75°	13.5	11.9	10.4	14.9	10.4	11.9	13.5	13.5	13.5	13.5	14.9
77.5°	9.0	7.4	10.4	10.4	10.4	7.4	9.0	7.4	9.0	7.4	9.0
80°	4.5	5.9	4.5	7.4	4.5	5.9	4.5	7.4	4.5	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: P248641

CATALOG NUMBER: LD8B60D010 ER8B60930 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0
2.5°	3089.4	3084.9	3086.3	3077.4	3077.4	3074.3	3075.9	3068.4	3065.5	3062.5	3066.9
5°	3134.1	3126.7	3120.6	3107.3	3099.8	3090.8	3086.3	3074.3	3063.9	3054.9	3053.5
7.5°	3170.0	3153.6	3143.1	3125.1	3111.8	3101.4	3086.3	3069.9	3056.5	3044.5	3035.6
10°	3184.9	3168.5	3152.0	3129.6	3114.7	3095.3	3080.4	3059.4	3041.6	3025.1	3014.7
12.5°	3186.3	3165.5	3150.6	3125.1	3105.7	3084.9	3068.4	3044.5	3023.7	3007.2	2990.8
15°	3173.0	3153.6	3135.7	3108.8	3089.4	3069.9	3050.6	3025.1	3005.7	2986.3	2974.3
17.5°	3143.1	3125.1	3104.3	3078.8	3061.0	3043.1	3022.1	3001.3	2978.8	2957.9	2943.0
20°	3104.3	3084.9	3066.9	3041.6	3026.6	3007.2	2987.8	2965.4	2947.4	2926.6	2910.2
22.5°	3046.1	3028.2	3011.7	2996.8	2972.9	2957.9	2944.5	2919.2	2901.1	2881.8	2863.9
25°	2962.5	2944.5	2931.1	2913.1	2902.7	2886.2	2872.8	2850.5	2834.0	2816.1	2801.2
27.5°	2825.0	2814.6	2807.1	2796.7	2787.7	2780.2	2772.8	2754.9	2743.0	2726.5	2711.6
30°	2619.0	2617.5	2613.1	2608.6	2614.5	2614.5	2614.5	2611.6	2601.1	2589.1	2578.6
32.5°	2354.7	2357.7	2363.6	2368.1	2380.1	2393.6	2405.4	2411.4	2411.4	2404.0	2399.5
35°	2039.7	2044.1	2053.1	2065.0	2080.0	2096.4	2123.3	2129.2	2133.7	2133.7	2127.8
37.5°	1712.7	1711.2	1720.2	1730.6	1739.6	1751.5	1770.8	1775.3	1782.8	1779.9	1773.9
40°	1394.5	1387.1	1384.1	1387.1	1397.6	1393.1	1397.6	1394.5	1394.5	1384.1	1384.1
42.5°	1100.5	1091.5	1085.5	1081.1	1081.1	1070.6	1063.2	1055.6	1051.2	1043.7	1042.2
45°	848.1	837.6	830.2	827.2	822.8	809.2	800.3	791.3	780.9	778.0	779.4
47.5°	658.5	648.1	645.0	637.6	630.1	622.6	616.7	606.2	604.7	598.7	604.7
50°	507.7	504.7	500.2	497.2	492.7	486.7	480.8	474.9	471.8	471.8	473.3
52.5°	394.3	395.7	391.2	386.7	383.7	383.7	376.2	374.8	374.8	368.8	374.8
55°	301.7	300.1	301.7	298.6	298.6	294.2	294.2	289.7	289.7	285.2	288.2
57.5°	221.1	224.0	221.1	222.5	225.5	221.1	219.5	215.0	218.0	215.0	216.6
60°	171.7	171.7	171.7	170.3	170.3	168.7	168.7	167.3	167.3	164.2	167.3
62.5°	126.9	128.4	128.4	128.4	129.9	128.4	126.9	128.4	126.9	126.9	128.4
65°	83.6	85.1	85.1	83.6	86.5	83.6	85.1	86.5	88.1	86.5	88.1
67.5°	56.7	56.7	58.3	59.7	58.3	59.7	61.2	59.7	61.2	64.2	61.2
70°	41.8	43.4	43.4	41.8	40.4	41.8	40.4	44.8	44.8	44.8	47.8
72.5°	26.9	26.9	25.3	25.3	25.3	25.3	25.3	29.8	26.9	25.3	28.4
75°	14.9	16.4	16.4	11.9	13.5	16.4	11.9	13.5	17.9	14.9	17.9
77.5°	9.0	9.0	9.0	9.0	9.0	9.0	11.9	10.4	10.4	10.4	11.9
80°	7.4	5.9	5.9	4.5	5.9	5.9	5.9	9.0	7.4	7.4	9.0
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: P248641

CATALOG NUMBER: LD8B60D010 ER8B60930 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0
2.5°	3054.9	3054.9	3053.5	3050.6	3044.5	3044.5	3043.1	3038.6	3035.6	3034.1	3034.1
5°	3040.0	3034.1	3028.2	3011.7	3011.7	3008.7	2999.8	2993.7	2990.8	2983.3	2980.4
7.5°	3026.6	3008.7	2998.2	2987.8	2974.3	2968.4	2957.9	2953.4	2943.0	2935.6	2931.1
10°	2993.7	2981.9	2968.4	2951.9	2941.5	2929.6	2917.6	2908.7	2895.2	2887.7	2881.8
12.5°	2971.4	2953.4	2941.5	2923.6	2905.6	2895.2	2878.8	2868.4	2855.0	2839.9	2831.0
15°	2950.5	2931.1	2914.7	2895.2	2875.8	2863.9	2844.4	2832.5	2813.1	2798.2	2787.7
17.5°	2919.2	2902.7	2884.8	2860.9	2843.0	2828.1	2807.1	2792.2	2774.3	2754.9	2744.4
20°	2886.2	2866.8	2848.9	2825.0	2807.1	2789.3	2768.3	2751.9	2731.0	2713.0	2701.2
22.5°	2843.0	2820.5	2805.6	2781.8	2760.8	2741.5	2722.0	2702.6	2683.2	2668.3	2654.8
25°	2780.2	2756.3	2739.9	2720.6	2701.2	2686.3	2662.3	2650.4	2631.0	2617.5	2604.1
27.5°	2690.6	2672.8	2657.8	2638.4	2622.0	2610.0	2592.1	2580.2	2563.7	2551.8	2541.3
30°	2559.4	2544.3	2530.9	2511.5	2499.6	2489.1	2472.6	2462.2	2450.3	2436.8	2433.9
32.5°	2383.1	2371.1	2357.7	2344.2	2335.3	2329.3	2315.9	2309.9	2297.9	2290.4	2283.0
35°	2117.2	2106.8	2099.4	2093.5	2090.4	2091.9	2089.0	2094.9	2097.8	2096.4	2097.8
37.5°	1769.4	1763.4	1766.4	1770.8	1785.9	1805.3	1823.1	1850.0	1867.9	1885.9	1902.3
40°	1381.2	1385.7	1397.6	1424.5	1463.2	1506.6	1547.0	1597.6	1648.4	1684.3	1717.1
42.5°	1042.2	1055.6	1085.5	1124.4	1182.7	1246.8	1309.6	1384.1	1445.4	1505.1	1547.0
45°	783.9	801.9	840.6	894.4	958.6	1033.2	1112.4	1196.0	1269.2	1330.4	1376.7
47.5°	610.7	627.1	666.0	722.7	801.9	879.5	961.6	1048.2	1124.4	1184.1	1224.4
50°	482.3	503.2	537.5	597.3	676.4	758.6	843.7	928.7	1000.5	1051.2	1087.0
52.5°	379.2	398.7	431.5	494.2	574.8	657.0	736.0	819.8	882.5	931.8	955.7
55°	294.2	312.1	346.4	398.7	474.9	555.5	634.6	706.3	764.5	800.3	822.8
57.5°	224.0	237.4	261.3	313.5	382.3	456.9	524.2	595.8	640.5	666.0	680.9
60°	170.3	180.7	206.0	246.4	309.1	373.3	430.0	483.8	519.7	540.5	555.5
62.5°	128.4	140.3	158.3	192.6	240.3	292.7	340.4	380.7	410.6	424.1	434.5
65°	88.1	97.1	110.5	137.3	177.7	215.0	252.3	282.3	301.7	316.6	322.5
67.5°	65.7	71.6	79.1	100.1	128.4	158.3	183.6	204.6	225.5	231.5	241.9
70°	49.3	53.8	61.2	76.1	92.6	113.4	134.4	146.3	161.3	171.7	174.8
72.5°	31.4	32.8	40.4	49.3	62.7	76.1	89.6	100.1	109.1	115.0	117.9
75°	17.9	26.9	26.9	35.9	44.8	50.8	59.7	67.1	71.6	76.1	76.1
77.5°	11.9	16.4	17.9	22.4	26.9	34.3	41.8	46.3	50.8	52.2	52.2
80°	10.4	11.9	11.9	16.4	19.4	25.3	29.8	31.4	34.3	35.9	38.8
82.5°	4.5	5.9	7.4	11.9	13.5	13.5	17.9	19.4	22.4	23.9	23.9
85°	1.5	3.0	3.0	4.5	7.4	9.0	10.4	11.9	13.5	13.5	14.9
87.5°	1.5	1.5	0.0	1.5	3.0	3.0	5.9	5.9	5.9	9.0	9.0
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: P248641

CATALOG NUMBER: LD8B60D010 ER8B60930 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0
2.5°	3031.1	3032.6	3026.6	3025.1	3022.1	3023.7	3026.6
5°	2975.9	2977.4	2971.4	2965.4	2965.4	2963.9	2965.4
7.5°	2923.6	2925.1	2916.2	2913.1	2907.2	2908.7	2908.7
10°	2871.3	2871.3	2857.9	2856.4	2851.9	2850.5	2850.5
12.5°	2820.5	2816.1	2805.6	2799.7	2802.7	2793.8	2793.8
15°	2775.7	2768.3	2754.9	2750.4	2743.0	2739.9	2739.9
17.5°	2729.5	2723.5	2711.6	2702.6	2693.7	2692.2	2693.7
20°	2684.7	2678.7	2663.8	2657.8	2650.4	2650.4	2647.4
22.5°	2639.8	2633.9	2620.6	2616.1	2605.5	2605.5	2607.1
25°	2593.5	2589.1	2574.2	2571.2	2569.8	2563.7	2566.8
27.5°	2530.9	2527.9	2516.0	2511.5	2505.5	2504.1	2507.0
30°	2415.9	2411.4	2402.5	2398.0	2387.6	2389.1	2392.0
32.5°	2272.6	2266.7	2254.7	2250.2	2241.2	2238.2	2239.8
35°	2093.5	2089.0	2078.4	2078.4	2069.5	2066.6	2069.5
37.5°	1911.3	1915.7	1911.3	1915.7	1911.3	1909.7	1911.3
40°	1739.6	1755.9	1759.0	1775.3	1769.4	1778.4	1776.9
42.5°	1575.2	1602.1	1612.7	1626.0	1623.1	1629.0	1633.5
45°	1409.5	1432.0	1442.4	1451.4	1452.8	1455.8	1457.3
47.5°	1252.7	1270.7	1272.1	1282.6	1281.1	1281.1	1285.6
50°	1106.4	1118.4	1121.3	1128.8	1122.9	1119.9	1121.3
52.5°	970.6	982.4	979.5	982.4	975.0	972.0	973.5
55°	831.7	837.6	837.6	837.6	828.8	828.8	828.8
57.5°	689.9	691.3	688.3	689.9	688.3	679.3	677.9
60°	559.9	559.9	558.4	559.9	555.5	551.0	551.0
62.5°	437.4	440.4	446.5	440.4	437.4	440.4	436.0
65°	327.0	332.9	331.5	334.5	332.9	332.9	330.0
67.5°	246.4	247.9	249.3	250.9	250.9	250.9	250.9
70°	180.7	185.2	183.6	183.6	183.6	183.6	192.6
72.5°	121.0	126.9	125.4	128.4	128.4	131.4	128.4
75°	82.1	88.1	85.1	89.6	88.1	85.1	92.6
77.5°	55.3	58.3	59.7	61.2	59.7	58.3	59.7
80°	38.8	41.8	40.4	41.8	41.8	41.8	43.4
82.5°	23.9	28.4	26.9	28.4	26.9	28.4	28.4
85°	16.4	17.9	14.9	17.9	16.4	16.4	19.4
87.5°	10.4	9.0	9.0	10.4	9.0	10.4	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)