

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: P249037

Luminaire Tested: **LD8B60D010 ER8B60935 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249037
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 ER8B60935 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5263.0 lumens
Efficiency: N/A
Efficacy: 88.5 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

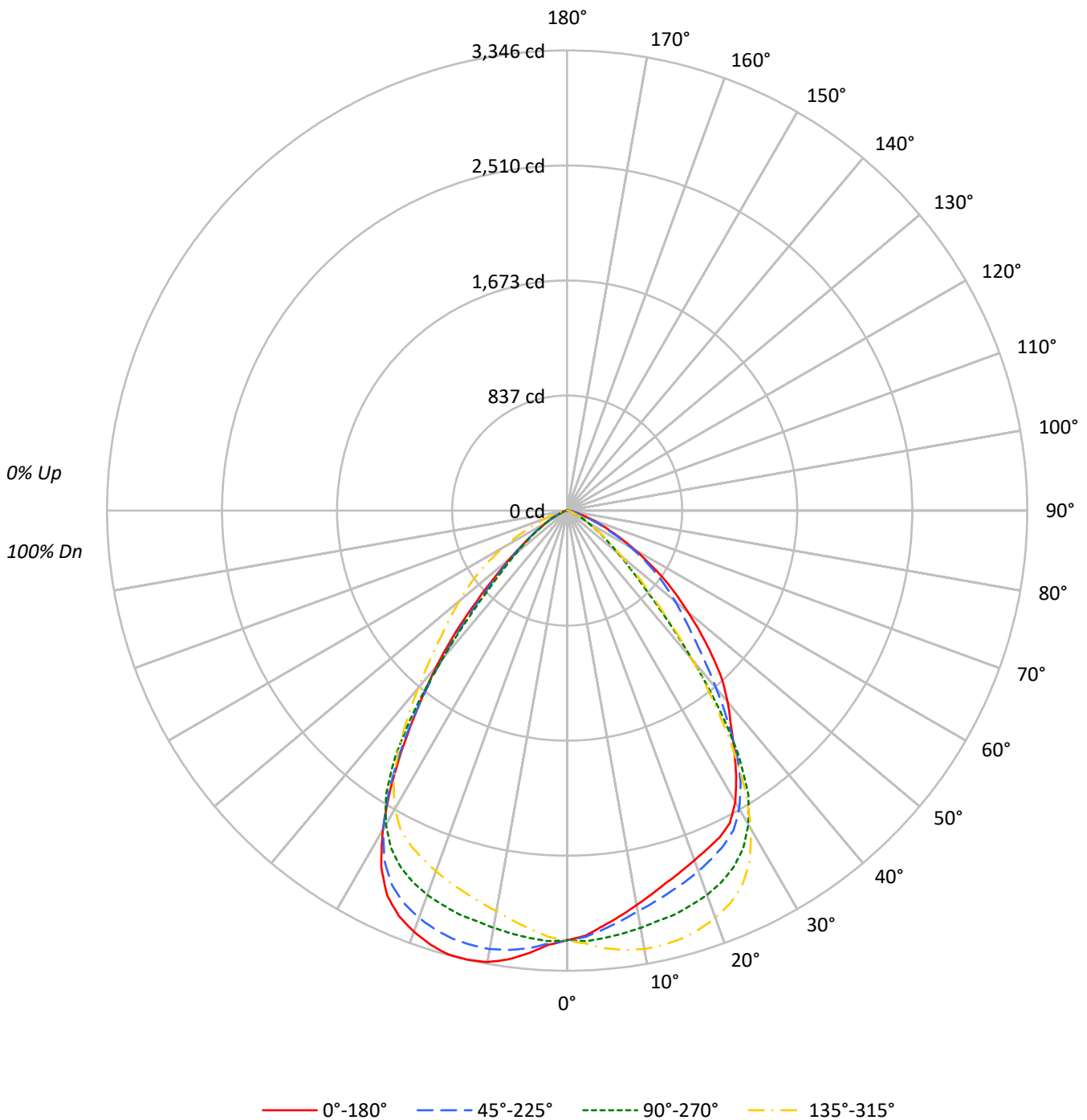
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	96348	96348	96348	96348
5°	93788	96574	100022	96574
10°	91193	96447	104379	96447
15°	89372	97021	106662	97021
20°	88762	97576	106935	97576
25°	89228	97380	105220	97380
30°	87023	93813	95501	93813
35°	79599	81838	77649	81838
40°	73081	56927	59447	56927
45°	64934	34730	40186	34730
50°	54962	23200	25761	23200
55°	45520	15833	16731	15833
60°	34722	10540	10632	10540
65°	24604	6567	6012	6567
70°	17743	4400	3994	4400
75°	11271	2180	1823	2180
80°	7867	1634	1350	1634
85°	7005	0	531	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.4	5.7
10°-20°	861.2	16.4
20°-30°	1304.0	24.8
30°-40°	1307.0	24.8
40°-50°	820.7	15.6
50°-60°	437.3	8.3
60°-70°	179.9	3.4
70°-80°	47.5	0.9
80°-90°	8.0	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°	2462.6	46.8
0°-40°	3769.6	71.6
0°-60°	5027.6	95.5
0°-90°	5263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5263.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3124	3124	3124	3124	3124	
5°	3030	3120	3231	3120	3030	286
15°	2800	3039	3341	3039	2800	792
25°	2622	2862	3092	2862	2622	1203
35°	2114	2174	2063	2174	2114	1325
45°	1489	796	922	796	1489	1145
55°	847	294	311	294	847	755
65°	337	90	82	90	337	350
75°	95	18	15	18	95	107
85°	20	0	2	0	20	22
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°	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5
2.5°	3092.5	3089.4	3087.9	3090.9	3092.5	3098.5	3097.0	3100.0	3100.0	3101.6	3104.6
5°	3029.9	3028.3	3029.9	3029.9	3036.0	3042.1	3040.6	3045.2	3048.2	3055.8	3058.9
7.5°	2971.9	2971.9	2970.4	2976.5	2979.5	2988.7	2987.1	2994.8	2999.4	3007.0	3017.7
10°	2912.4	2912.4	2913.9	2918.5	2920.1	2933.8	2933.8	2944.4	2950.5	2958.2	2971.9
12.5°	2854.5	2854.5	2863.6	2860.5	2866.6	2877.3	2881.9	2892.6	2901.7	2917.0	2930.8
15°	2799.5	2799.5	2802.6	2810.2	2814.8	2828.5	2836.1	2848.4	2859.0	2874.3	2894.1
17.5°	2752.2	2750.7	2752.2	2761.4	2770.6	2782.7	2788.8	2804.1	2814.8	2834.6	2852.9
20°	2704.9	2708.0	2708.0	2715.6	2721.7	2737.0	2743.1	2759.9	2772.1	2790.3	2811.8
22.5°	2663.7	2662.2	2662.2	2672.9	2677.5	2691.2	2697.3	2712.5	2726.3	2741.5	2761.4
25°	2622.5	2619.5	2625.6	2627.1	2630.1	2645.4	2650.0	2660.7	2674.4	2688.2	2708.0
27.5°	2561.5	2558.5	2560.0	2566.1	2570.7	2582.9	2585.9	2596.6	2607.3	2619.5	2636.3
30°	2444.0	2441.0	2439.5	2450.2	2454.8	2463.9	2468.4	2486.8	2489.8	2503.5	2515.7
32.5°	2288.4	2286.9	2290.0	2299.1	2303.7	2315.9	2322.0	2332.7	2340.3	2347.9	2360.1
35°	2114.5	2111.5	2114.5	2123.7	2123.7	2134.4	2139.0	2143.5	2142.0	2143.5	2140.5
37.5°	1952.8	1951.3	1952.8	1957.4	1952.8	1957.4	1952.8	1943.7	1926.9	1908.6	1890.2
40°	1815.5	1817.0	1807.9	1814.0	1797.2	1794.1	1777.4	1754.5	1720.9	1684.3	1632.4
42.5°	1669.1	1664.5	1658.4	1661.4	1647.7	1637.0	1609.5	1580.6	1537.8	1476.8	1414.2
45°	1489.0	1487.5	1484.4	1482.9	1473.8	1463.1	1440.2	1406.6	1359.3	1296.8	1222.0
47.5°	1313.6	1309.0	1309.0	1310.5	1299.8	1298.3	1280.0	1251.0	1209.8	1148.8	1071.0
50°	1145.7	1144.2	1147.3	1153.4	1145.7	1142.7	1130.5	1110.7	1074.1	1022.2	948.9
52.5°	994.7	993.2	996.3	1003.9	1000.8	1003.9	991.7	976.4	952.0	901.6	837.6
55°	846.7	846.7	846.7	855.8	855.8	855.8	849.8	840.6	817.7	781.1	721.7
57.5°	692.6	694.1	703.3	704.8	703.3	706.4	704.8	695.7	680.5	654.5	608.7
60°	563.0	563.0	567.6	572.1	570.6	572.1	572.1	567.6	552.3	530.9	494.3
62.5°	445.5	450.1	447.0	450.1	456.1	450.1	447.0	444.0	433.3	419.5	389.0
65°	337.2	340.2	340.2	341.7	338.7	340.2	334.1	329.6	323.5	308.2	288.4
67.5°	256.3	256.3	256.3	256.3	254.8	253.3	251.7	247.2	236.5	230.4	209.0
70°	196.8	187.6	187.6	187.6	187.6	189.2	184.6	178.5	175.5	164.8	149.5
72.5°	131.2	134.3	131.2	131.2	128.2	129.7	123.6	120.5	117.5	111.4	102.2
75°	94.6	87.0	90.0	91.6	87.0	90.0	83.9	77.8	77.8	73.2	68.6
77.5°	61.0	59.5	61.0	62.5	61.0	59.5	56.5	53.4	53.4	51.9	47.3
80°	44.3	42.7	42.7	42.7	41.2	42.7	39.7	39.7	36.6	35.1	32.0
82.5°	29.0	29.0	27.4	29.0	27.4	29.0	24.4	24.4	24.4	22.9	19.8
85°	19.8	16.8	16.8	18.3	15.3	18.3	16.8	15.3	13.8	13.8	12.2
87.5°	9.2	10.7	9.2	10.7	9.2	9.2	10.7	9.2	9.2	6.1	6.1
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°	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5
2.5°	3109.2	3110.7	3110.7	3116.9	3119.9	3121.4	3121.4	3133.6	3129.1	3132.1	3135.2
5°	3065.0	3074.1	3077.2	3077.2	3094.0	3100.0	3106.1	3119.9	3121.4	3130.6	3141.2
7.5°	3022.2	3032.9	3039.1	3052.8	3063.4	3074.1	3092.5	3101.6	3110.7	3123.0	3136.7
10°	2981.1	2993.3	3005.5	3016.2	3032.9	3046.7	3058.9	3080.2	3090.9	3107.7	3126.0
12.5°	2941.4	2958.2	2968.9	2987.1	3005.5	3017.7	3036.0	3055.8	3072.6	3089.4	3110.7
15°	2906.3	2926.2	2938.3	2958.2	2978.0	2994.8	3014.6	3039.1	3051.3	3071.1	3090.9
17.5°	2868.1	2889.6	2904.8	2923.1	2947.5	2965.8	2982.6	3007.0	3022.2	3043.6	3066.5
20°	2828.5	2849.9	2868.1	2886.5	2910.9	2929.2	2949.0	2973.5	2990.2	3011.6	3029.9
22.5°	2781.2	2801.1	2820.9	2842.2	2866.6	2881.9	2904.8	2926.2	2944.4	2964.3	2982.6
25°	2720.2	2744.6	2759.9	2779.7	2799.5	2816.3	2840.7	2862.1	2877.3	2895.6	2912.4
27.5°	2648.5	2666.8	2679.0	2695.8	2715.6	2730.9	2749.1	2770.6	2785.8	2802.6	2814.8
30°	2526.4	2543.2	2553.9	2566.1	2585.9	2599.7	2614.9	2634.7	2645.4	2657.7	2668.3
32.5°	2366.2	2380.0	2386.1	2395.2	2409.0	2422.7	2434.9	2451.7	2456.3	2463.9	2463.9
35°	2134.4	2137.4	2135.9	2139.0	2145.0	2152.6	2163.3	2174.0	2180.1	2180.1	2175.6
37.5°	1862.8	1844.5	1824.7	1809.4	1804.8	1801.7	1807.9	1812.4	1818.6	1821.6	1814.0
40°	1580.6	1539.4	1495.1	1455.4	1428.0	1415.8	1411.2	1414.2	1414.2	1424.9	1424.9
42.5°	1338.0	1273.9	1208.3	1148.8	1109.1	1078.6	1064.9	1064.9	1066.4	1074.1	1078.6
45°	1136.6	1055.7	979.4	913.9	858.9	819.2	801.0	796.4	794.9	797.9	808.6
47.5°	982.5	898.6	819.2	738.4	680.5	640.8	624.0	617.8	611.8	617.8	619.4
50°	862.0	775.0	691.1	610.3	549.2	514.1	492.8	483.6	482.1	482.1	485.2
52.5°	752.1	671.3	587.4	505.0	440.9	407.4	387.5	382.9	376.8	382.9	382.9
55°	648.4	567.6	485.2	407.4	353.9	318.9	300.5	294.5	291.4	296.0	296.0
57.5°	535.5	466.8	390.6	320.4	267.0	242.6	228.8	221.2	219.7	222.7	219.7
60°	439.4	381.4	315.8	251.7	210.6	184.6	173.9	170.9	167.8	170.9	170.9
62.5°	347.8	299.0	245.6	196.8	161.7	143.4	131.2	131.2	129.7	129.7	131.2
65°	257.8	219.7	181.5	140.3	112.9	99.2	90.0	90.0	88.5	90.0	88.5
67.5°	187.6	161.7	131.2	102.2	80.9	73.2	67.1	62.5	65.6	62.5	61.0
70°	137.3	115.9	94.6	77.8	62.5	54.9	50.4	48.8	45.8	45.8	45.8
72.5°	91.6	77.8	64.1	50.4	41.2	33.5	32.0	29.0	25.9	27.4	30.5
75°	61.0	51.9	45.8	36.6	27.4	27.4	18.3	18.3	15.3	18.3	13.8
77.5°	42.7	35.1	27.4	22.9	18.3	16.8	12.2	12.2	10.7	10.7	10.7
80°	30.5	25.9	19.8	16.8	12.2	12.2	10.7	9.2	7.6	7.6	9.2
82.5°	18.3	13.8	13.8	12.2	7.6	6.1	4.6	6.1	3.1	3.1	3.1
85°	10.7	9.2	7.6	4.6	3.1	3.1	1.5	0.0	1.5	1.5	0.0
87.5°	6.1	3.1	3.1	1.5	0.0	1.5	1.5	0.0	0.0	0.0	3.1
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°	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5
2.5°	3142.8	3141.2	3144.3	3144.3	3153.5	3151.9	3156.5	3156.5	3153.5	3155.0	3161.1
5°	3153.5	3158.1	3167.2	3174.8	3188.5	3194.7	3202.3	3209.9	3211.4	3216.0	3220.6
7.5°	3153.5	3168.7	3179.4	3193.1	3211.4	3222.1	3238.9	3252.6	3258.7	3266.3	3275.5
10°	3147.3	3162.6	3182.4	3197.7	3220.6	3237.4	3254.2	3275.5	3284.7	3296.9	3309.1
12.5°	3135.2	3151.9	3173.3	3193.1	3219.0	3234.3	3255.7	3275.5	3289.3	3306.0	3319.8
15°	3116.9	3136.7	3156.5	3176.3	3203.8	3222.1	3242.0	3264.8	3278.6	3296.9	3309.1
17.5°	3087.9	3109.2	3127.6	3145.8	3171.8	3193.1	3211.4	3232.8	3246.6	3261.8	3278.6
20°	3052.8	3072.6	3092.5	3107.7	3133.6	3151.9	3171.8	3191.6	3202.3	3205.4	3231.3
22.5°	3008.6	3022.2	3037.5	3061.9	3077.2	3094.0	3112.3	3130.6	3141.2	3158.1	3167.2
25°	2935.3	2949.0	2965.8	2976.5	2994.8	3008.6	3026.8	3046.7	3052.8	3065.0	3074.1
27.5°	2833.1	2840.7	2848.4	2857.5	2868.1	2875.8	2886.5	2895.6	2901.7	2907.8	2913.9
30°	2671.3	2671.3	2671.3	2665.2	2669.8	2674.4	2675.9	2674.4	2674.4	2672.9	2672.9
32.5°	2457.8	2445.6	2431.8	2419.7	2415.1	2409.0	2405.9	2401.3	2393.7	2389.1	2390.6
35°	2169.4	2142.0	2125.2	2109.9	2097.8	2088.6	2084.0	2079.4	2077.9	2071.8	2065.7
37.5°	1809.4	1789.6	1777.4	1768.2	1757.5	1748.4	1749.9	1751.4	1756.0	1752.9	1754.5
40°	1428.0	1423.4	1428.0	1417.3	1414.2	1417.3	1424.9	1435.6	1441.7	1447.8	1458.5
42.5°	1086.2	1093.8	1104.6	1104.6	1109.1	1115.3	1124.4	1141.2	1150.3	1161.0	1173.2
45°	817.7	826.9	840.6	845.2	848.2	855.8	866.6	880.3	886.4	895.5	906.2
47.5°	630.1	636.2	643.8	651.4	659.0	662.1	672.8	672.8	680.5	686.5	689.6
50°	491.3	497.3	503.4	508.0	511.1	515.7	518.7	523.3	524.8	527.9	529.4
52.5°	384.4	392.1	392.1	395.1	399.7	404.3	402.8	404.3	405.8	405.8	410.4
55°	300.5	300.5	305.1	305.1	308.2	306.6	308.2	308.2	308.2	308.2	309.7
57.5°	224.2	225.8	230.4	227.3	225.8	228.8	225.8	228.8	227.3	230.4	225.8
60°	172.4	172.4	173.9	173.9	175.5	175.5	175.5	173.9	173.9	172.4	172.4
62.5°	129.7	131.2	132.8	131.2	131.2	131.2	129.7	129.7	128.2	126.6	126.6
65°	87.0	85.5	88.5	85.5	87.0	87.0	85.5	87.0	82.4	83.9	82.4
67.5°	62.5	61.0	59.5	61.0	59.5	58.0	58.0	59.5	61.0	56.5	56.5
70°	41.2	42.7	41.2	42.7	44.3	44.3	42.7	41.2	42.7	39.7	41.2
72.5°	25.9	25.9	25.9	25.9	25.9	27.4	27.4	27.4	24.4	24.4	22.9
75°	12.2	16.8	13.8	12.2	16.8	16.8	15.3	15.3	13.8	13.8	13.8
77.5°	12.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	7.6	9.2	7.6
80°	6.1	6.1	6.1	4.6	6.1	6.1	7.6	6.1	6.1	4.6	7.6
82.5°	3.1	3.1	3.1	0.0	1.5	3.1	3.1	1.5	3.1	3.1	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: P249037

CATALOG NUMBER: LD8B60D010 ER8B60935 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5
2.5°	3159.6	3158.1	3159.6	3161.1	3159.6	3158.1	3159.6	3161.1	3155.0	3153.5	3156.5
5°	3226.7	3226.7	3229.7	3231.3	3229.7	3226.7	3226.7	3220.6	3216.0	3211.4	3209.9
7.5°	3284.7	3287.7	3290.8	3292.3	3290.8	3287.7	3284.7	3275.5	3266.3	3258.7	3252.6
10°	3319.8	3324.4	3330.4	3333.5	3330.4	3324.4	3319.8	3309.1	3296.9	3284.7	3275.5
12.5°	3335.0	3339.6	3347.2	3345.7	3347.2	3339.6	3335.0	3319.8	3306.0	3289.3	3275.5
15°	3324.4	3330.4	3338.0	3341.1	3338.0	3330.4	3324.4	3309.1	3296.9	3278.6	3264.8
17.5°	3290.8	3299.9	3304.5	3309.1	3304.5	3299.9	3290.8	3278.6	3261.8	3246.6	3232.8
20°	3245.0	3251.1	3257.2	3258.7	3257.2	3251.1	3245.0	3231.3	3205.4	3202.3	3191.6
22.5°	3179.4	3184.0	3197.7	3193.1	3197.7	3184.0	3179.4	3167.2	3158.1	3141.2	3130.6
25°	3084.8	3089.4	3090.9	3092.5	3090.9	3089.4	3084.8	3074.1	3065.0	3052.8	3046.7
27.5°	2921.6	2921.6	2924.6	2926.2	2924.6	2921.6	2921.6	2913.9	2907.8	2901.7	2895.6
30°	2674.4	2674.4	2674.4	2682.1	2674.4	2674.4	2674.4	2672.9	2672.9	2674.4	2674.4
32.5°	2389.1	2386.1	2383.0	2386.1	2383.0	2386.1	2389.1	2390.6	2389.1	2393.7	2401.3
35°	2065.7	2064.2	2068.8	2062.7	2068.8	2064.2	2065.7	2065.7	2071.8	2077.9	2079.4
37.5°	1756.0	1752.9	1759.0	1752.9	1759.0	1752.9	1756.0	1754.5	1752.9	1756.0	1751.4
40°	1461.6	1464.6	1464.6	1476.8	1464.6	1464.6	1461.6	1458.5	1447.8	1441.7	1435.6
42.5°	1179.3	1188.5	1185.4	1194.6	1185.4	1188.5	1179.3	1173.2	1161.0	1150.3	1141.2
45°	912.3	918.5	918.5	921.5	918.5	918.5	912.3	906.2	895.5	886.4	880.3
47.5°	700.2	700.2	700.2	701.8	700.2	700.2	700.2	689.6	686.5	680.5	672.8
50°	532.4	534.0	535.5	537.0	535.5	534.0	532.4	529.4	527.9	524.8	523.3
52.5°	408.9	410.4	407.4	410.4	407.4	410.4	408.9	410.4	405.8	405.8	404.3
55°	309.7	308.2	309.7	311.2	309.7	308.2	309.7	309.7	308.2	308.2	308.2
57.5°	227.3	224.2	224.2	224.2	224.2	224.2	227.3	225.8	230.4	227.3	228.8
60°	169.4	170.9	170.9	172.4	170.9	170.9	169.4	172.4	172.4	173.9	173.9
62.5°	125.1	129.7	126.6	129.7	126.6	129.7	125.1	126.6	126.6	128.2	129.7
65°	80.9	80.9	80.9	82.4	80.9	80.9	80.9	82.4	83.9	82.4	87.0
67.5°	54.9	56.5	59.5	58.0	59.5	56.5	54.9	56.5	56.5	61.0	59.5
70°	44.3	39.7	39.7	44.3	39.7	39.7	44.3	41.2	39.7	42.7	41.2
72.5°	25.9	22.9	25.9	25.9	25.9	22.9	25.9	22.9	24.4	24.4	27.4
75°	13.8	12.2	10.7	15.3	10.7	12.2	13.8	13.8	13.8	13.8	15.3
77.5°	9.2	7.6	10.7	10.7	10.7	7.6	9.2	7.6	9.2	7.6	9.2
80°	4.6	6.1	4.6	7.6	4.6	6.1	4.6	7.6	4.6	6.1	6.1
82.5°	1.5	3.1	3.1	3.1	3.1	3.1	1.5	1.5	3.1	3.1	1.5
85°	0.0	3.1	1.5	1.5	1.5	3.1	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: P249037

CATALOG NUMBER: LD8B60D010 ER8B60935 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5
2.5°	3156.5	3151.9	3153.5	3144.3	3144.3	3141.2	3142.8	3135.2	3132.1	3129.1	3133.6
5°	3202.3	3194.7	3188.5	3174.8	3167.2	3158.1	3153.5	3141.2	3130.6	3121.4	3119.9
7.5°	3238.9	3222.1	3211.4	3193.1	3179.4	3168.7	3153.5	3136.7	3123.0	3110.7	3101.6
10°	3254.2	3237.4	3220.6	3197.7	3182.4	3162.6	3147.3	3126.0	3107.7	3090.9	3080.2
12.5°	3255.7	3234.3	3219.0	3193.1	3173.3	3151.9	3135.2	3110.7	3089.4	3072.6	3055.8
15°	3242.0	3222.1	3203.8	3176.3	3156.5	3136.7	3116.9	3090.9	3071.1	3051.3	3039.1
17.5°	3211.4	3193.1	3171.8	3145.8	3127.6	3109.2	3087.9	3066.5	3043.6	3022.2	3007.0
20°	3171.8	3151.9	3133.6	3107.7	3092.5	3072.6	3052.8	3029.9	3011.6	2990.2	2973.5
22.5°	3112.3	3094.0	3077.2	3061.9	3037.5	3022.2	3008.6	2982.6	2964.3	2944.4	2926.2
25°	3026.8	3008.6	2994.8	2976.5	2965.8	2949.0	2935.3	2912.4	2895.6	2877.3	2862.1
27.5°	2886.5	2875.8	2868.1	2857.5	2848.4	2840.7	2833.1	2814.8	2802.6	2785.8	2770.6
30°	2675.9	2674.4	2669.8	2665.2	2671.3	2671.3	2671.3	2668.3	2657.7	2645.4	2634.7
32.5°	2405.9	2409.0	2415.1	2419.7	2431.8	2445.6	2457.8	2463.9	2463.9	2456.3	2451.7
35°	2084.0	2088.6	2097.8	2109.9	2125.2	2142.0	2169.4	2175.6	2180.1	2180.1	2174.0
37.5°	1749.9	1748.4	1757.5	1768.2	1777.4	1789.6	1809.4	1814.0	1821.6	1818.6	1812.4
40°	1424.9	1417.3	1414.2	1417.3	1428.0	1423.4	1428.0	1424.9	1424.9	1414.2	1414.2
42.5°	1124.4	1115.3	1109.1	1104.6	1104.6	1093.8	1086.2	1078.6	1074.1	1066.4	1064.9
45°	866.6	855.8	848.2	845.2	840.6	826.9	817.7	808.6	797.9	794.9	796.4
47.5°	672.8	662.1	659.0	651.4	643.8	636.2	630.1	619.4	617.8	611.8	617.8
50°	518.7	515.7	511.1	508.0	503.4	497.3	491.3	485.2	482.1	482.1	483.6
52.5°	402.8	404.3	399.7	395.1	392.1	392.1	384.4	382.9	382.9	376.8	382.9
55°	308.2	306.6	308.2	305.1	305.1	300.5	300.5	296.0	296.0	291.4	294.5
57.5°	225.8	228.8	225.8	227.3	230.4	225.8	224.2	219.7	222.7	219.7	221.2
60°	175.5	175.5	175.5	173.9	173.9	172.4	172.4	170.9	170.9	167.8	170.9
62.5°	129.7	131.2	131.2	131.2	132.8	131.2	129.7	131.2	129.7	129.7	131.2
65°	85.5	87.0	87.0	85.5	88.5	85.5	87.0	88.5	90.0	88.5	90.0
67.5°	58.0	58.0	59.5	61.0	59.5	61.0	62.5	61.0	62.5	65.6	62.5
70°	42.7	44.3	44.3	42.7	41.2	42.7	41.2	45.8	45.8	45.8	48.8
72.5°	27.4	27.4	25.9	25.9	25.9	25.9	25.9	30.5	27.4	25.9	29.0
75°	15.3	16.8	16.8	12.2	13.8	16.8	12.2	13.8	18.3	15.3	18.3
77.5°	9.2	9.2	9.2	9.2	9.2	9.2	12.2	10.7	10.7	10.7	12.2
80°	7.6	6.1	6.1	4.6	6.1	6.1	6.1	9.2	7.6	7.6	9.2
82.5°	3.1	3.1	1.5	0.0	3.1	3.1	3.1	3.1	3.1	3.1	6.1
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	3.1	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: P249037

CATALOG NUMBER: LD8B60D010 ER8B60935 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5
2.5°	3121.4	3121.4	3119.9	3116.9	3110.7	3110.7	3109.2	3104.6	3101.6	3100.0	3100.0
5°	3106.1	3100.0	3094.0	3077.2	3077.2	3074.1	3065.0	3058.9	3055.8	3048.2	3045.2
7.5°	3092.5	3074.1	3063.4	3052.8	3039.1	3032.9	3022.2	3017.7	3007.0	2999.4	2994.8
10°	3058.9	3046.7	3032.9	3016.2	3005.5	2993.3	2981.1	2971.9	2958.2	2950.5	2944.4
12.5°	3036.0	3017.7	3005.5	2987.1	2968.9	2958.2	2941.4	2930.8	2917.0	2901.7	2892.6
15°	3014.6	2994.8	2978.0	2958.2	2938.3	2926.2	2906.3	2894.1	2874.3	2859.0	2848.4
17.5°	2982.6	2965.8	2947.5	2923.1	2904.8	2889.6	2868.1	2852.9	2834.6	2814.8	2804.1
20°	2949.0	2929.2	2910.9	2886.5	2868.1	2849.9	2828.5	2811.8	2790.3	2772.1	2759.9
22.5°	2904.8	2881.9	2866.6	2842.2	2820.9	2801.1	2781.2	2761.4	2741.5	2726.3	2712.5
25°	2840.7	2816.3	2799.5	2779.7	2759.9	2744.6	2720.2	2708.0	2688.2	2674.4	2660.7
27.5°	2749.1	2730.9	2715.6	2695.8	2679.0	2666.8	2648.5	2636.3	2619.5	2607.3	2596.6
30°	2614.9	2599.7	2585.9	2566.1	2553.9	2543.2	2526.4	2515.7	2503.5	2489.8	2486.8
32.5°	2434.9	2422.7	2409.0	2395.2	2386.1	2380.0	2366.2	2360.1	2347.9	2340.3	2332.7
35°	2163.3	2152.6	2145.0	2139.0	2135.9	2137.4	2134.4	2140.5	2143.5	2142.0	2143.5
37.5°	1807.9	1801.7	1804.8	1809.4	1824.7	1844.5	1862.8	1890.2	1908.6	1926.9	1943.7
40°	1411.2	1415.8	1428.0	1455.4	1495.1	1539.4	1580.6	1632.4	1684.3	1720.9	1754.5
42.5°	1064.9	1078.6	1109.1	1148.8	1208.3	1273.9	1338.0	1414.2	1476.8	1537.8	1580.6
45°	801.0	819.2	858.9	913.9	979.4	1055.7	1136.6	1222.0	1296.8	1359.3	1406.6
47.5°	624.0	640.8	680.5	738.4	819.2	898.6	982.5	1071.0	1148.8	1209.8	1251.0
50°	492.8	514.1	549.2	610.3	691.1	775.0	862.0	948.9	1022.2	1074.1	1110.7
52.5°	387.5	407.4	440.9	505.0	587.4	671.3	752.1	837.6	901.6	952.0	976.4
55°	300.5	318.9	353.9	407.4	485.2	567.6	648.4	721.7	781.1	817.7	840.6
57.5°	228.8	242.6	267.0	320.4	390.6	466.8	535.5	608.7	654.5	680.5	695.7
60°	173.9	184.6	210.6	251.7	315.8	381.4	439.4	494.3	530.9	552.3	567.6
62.5°	131.2	143.4	161.7	196.8	245.6	299.0	347.8	389.0	419.5	433.3	444.0
65°	90.0	99.2	112.9	140.3	181.5	219.7	257.8	288.4	308.2	323.5	329.6
67.5°	67.1	73.2	80.9	102.2	131.2	161.7	187.6	209.0	230.4	236.5	247.2
70°	50.4	54.9	62.5	77.8	94.6	115.9	137.3	149.5	164.8	175.5	178.5
72.5°	32.0	33.5	41.2	50.4	64.1	77.8	91.6	102.2	111.4	117.5	120.5
75°	18.3	27.4	27.4	36.6	45.8	51.9	61.0	68.6	73.2	77.8	77.8
77.5°	12.2	16.8	18.3	22.9	27.4	35.1	42.7	47.3	51.9	53.4	53.4
80°	10.7	12.2	12.2	16.8	19.8	25.9	30.5	32.0	35.1	36.6	39.7
82.5°	4.6	6.1	7.6	12.2	13.8	13.8	18.3	19.8	22.9	24.4	24.4
85°	1.5	3.1	3.1	4.6	7.6	9.2	10.7	12.2	13.8	13.8	15.3
87.5°	1.5	1.5	0.0	1.5	3.1	3.1	6.1	6.1	6.1	9.2	9.2
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: P249037

CATALOG NUMBER: LD8B60D010 ER8B60935 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5
2.5°	3097.0	3098.5	3092.5	3090.9	3087.9	3089.4	3092.5
5°	3040.6	3042.1	3036.0	3029.9	3029.9	3028.3	3029.9
7.5°	2987.1	2988.7	2979.5	2976.5	2970.4	2971.9	2971.9
10°	2933.8	2933.8	2920.1	2918.5	2913.9	2912.4	2912.4
12.5°	2881.9	2877.3	2866.6	2860.5	2863.6	2854.5	2854.5
15°	2836.1	2828.5	2814.8	2810.2	2802.6	2799.5	2799.5
17.5°	2788.8	2782.7	2770.6	2761.4	2752.2	2750.7	2752.2
20°	2743.1	2737.0	2721.7	2715.6	2708.0	2708.0	2704.9
22.5°	2697.3	2691.2	2677.5	2672.9	2662.2	2662.2	2663.7
25°	2650.0	2645.4	2630.1	2627.1	2625.6	2619.5	2622.5
27.5°	2585.9	2582.9	2570.7	2566.1	2560.0	2558.5	2561.5
30°	2468.4	2463.9	2454.8	2450.2	2439.5	2441.0	2444.0
32.5°	2322.0	2315.9	2303.7	2299.1	2290.0	2286.9	2288.4
35°	2139.0	2134.4	2123.7	2123.7	2114.5	2111.5	2114.5
37.5°	1952.8	1957.4	1952.8	1957.4	1952.8	1951.3	1952.8
40°	1777.4	1794.1	1797.2	1814.0	1807.9	1817.0	1815.5
42.5°	1609.5	1637.0	1647.7	1661.4	1658.4	1664.5	1669.1
45°	1440.2	1463.1	1473.8	1482.9	1484.4	1487.5	1489.0
47.5°	1280.0	1298.3	1299.8	1310.5	1309.0	1309.0	1313.6
50°	1130.5	1142.7	1145.7	1153.4	1147.3	1144.2	1145.7
52.5°	991.7	1003.9	1000.8	1003.9	996.3	993.2	994.7
55°	849.8	855.8	855.8	855.8	846.7	846.7	846.7
57.5°	704.8	706.4	703.3	704.8	703.3	694.1	692.6
60°	572.1	572.1	570.6	572.1	567.6	563.0	563.0
62.5°	447.0	450.1	456.1	450.1	447.0	450.1	445.5
65°	334.1	340.2	338.7	341.7	340.2	340.2	337.2
67.5°	251.7	253.3	254.8	256.3	256.3	256.3	256.3
70°	184.6	189.2	187.6	187.6	187.6	187.6	196.8
72.5°	123.6	129.7	128.2	131.2	131.2	134.3	131.2
75°	83.9	90.0	87.0	91.6	90.0	87.0	94.6
77.5°	56.5	59.5	61.0	62.5	61.0	59.5	61.0
80°	39.7	42.7	41.2	42.7	42.7	42.7	44.3
82.5°	24.4	29.0	27.4	29.0	27.4	29.0	29.0
85°	16.8	18.3	15.3	18.3	16.8	16.8	19.8
87.5°	10.7	9.2	9.2	10.7	9.2	10.7	9.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)