

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: P246017

Luminaire Tested: **LD8B50D010 ER8B50950 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246017
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 ER8B50950 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5024.0 lumens
Efficiency: N/A
Efficacy: 94.8 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

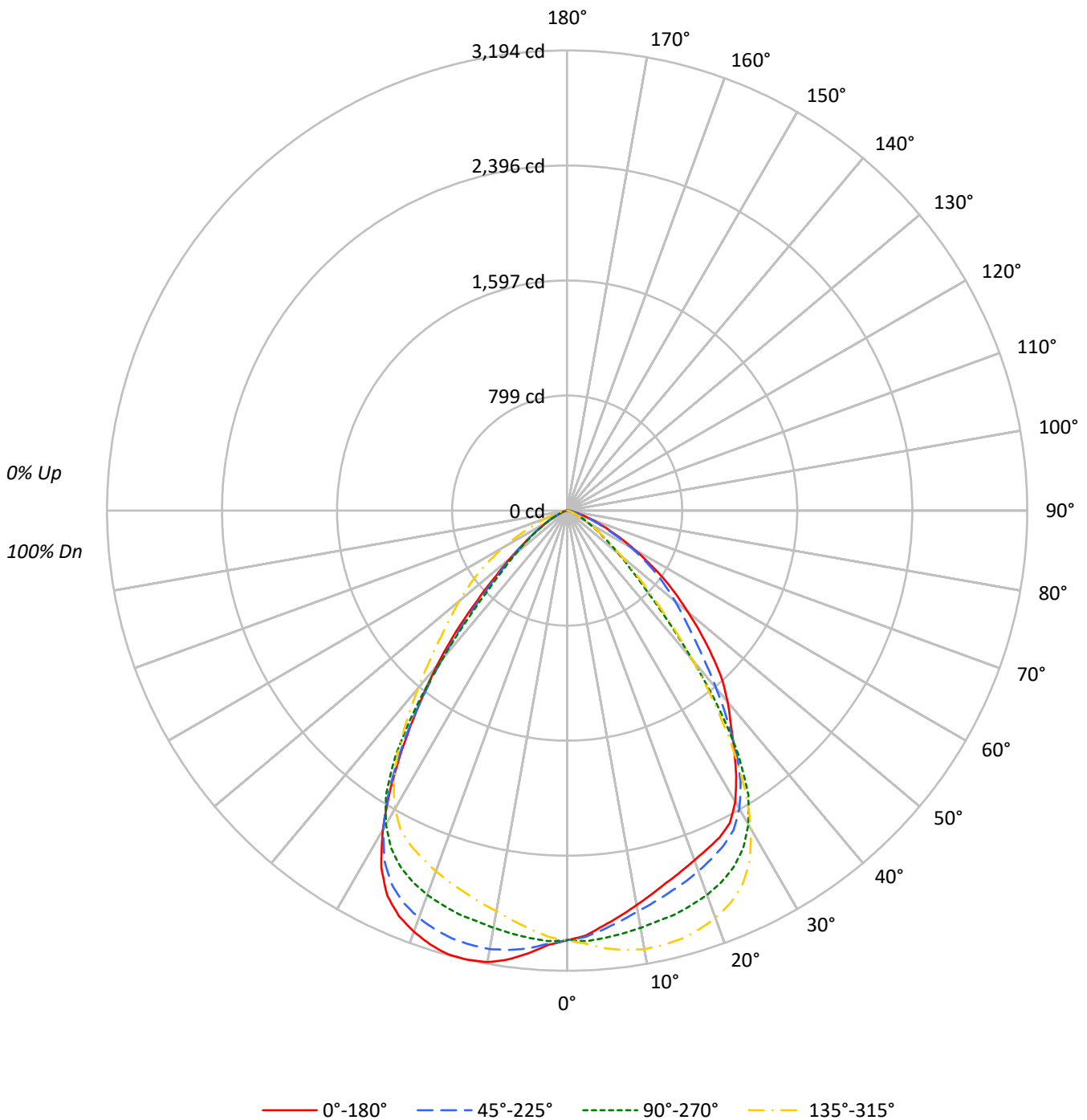
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246017

CATALOG NUMBER: LD8B50D010 ER8B50950 8LBSW0MW

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°	91972	91972	91972	91972
5°	89529	92188	95481	92188
10°	87054	92067	99638	92067
15°	85314	92615	101819	92615
20°	84732	93143	102082	93143
25°	85179	92957	100439	92957
30°	83070	89554	91164	89554
35°	75985	78123	74121	78123
40°	69764	54343	56750	54343
45°	61986	33152	38359	33152
50°	52468	22144	24591	22144
55°	43455	15112	15973	15112
60°	33143	10059	10145	10059
65°	23480	6268	5735	6268
70°	16941	4201	3814	4201
75°	10759	2085	1739	2085
80°	7512	1563	1296	1563
85°	6687	0	495	0



TEST NUMBER: P246017

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.9	5.7
10°-20°	822.1	16.4
20°-30°	1244.8	24.8
30°-40°	1247.6	24.8
40°-50°	783.4	15.6
50°-60°	417.5	8.3
60°-70°	171.7	3.4
70°-80°	45.4	0.9
80°-90°	7.7	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°	2350.8	46.8
0°-40°	3598.4	71.6
0°-60°	4799.3	95.5
0°-90°	5024.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5024.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2983	2983	2983	2983	2983	
5°	2892	2978	3085	2978	2892	273
15°	2672	2901	3189	2901	2672	756
25°	2504	2732	2952	2732	2504	1148
35°	2018	2075	1969	2075	2018	1265
45°	1421	760	880	760	1421	1093
55°	808	281	297	281	808	721
65°	322	86	79	86	322	334
75°	90	18	15	18	90	102
85°	19	0	1	0	19	21
90°	0	0	0	0	0	



TEST NUMBER: P246017

CATALOG NUMBER: LD8B50D010 ER8B50950 8LBSW0MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6
2.5°	2952.0	2949.1	2947.6	2950.6	2952.0	2957.8	2956.4	2959.3	2959.3	2960.8	2963.6
5°	2892.3	2890.8	2892.3	2892.3	2898.1	2903.9	2902.5	2906.9	2909.8	2917.1	2919.9
7.5°	2837.0	2837.0	2835.5	2841.3	2844.2	2853.0	2851.5	2858.8	2863.2	2870.4	2880.6
10°	2780.2	2780.2	2781.6	2786.0	2787.5	2800.5	2800.5	2810.7	2816.5	2823.9	2837.0
12.5°	2724.8	2724.8	2733.6	2730.6	2736.5	2746.6	2751.0	2761.2	2770.0	2784.5	2797.7
15°	2672.4	2672.4	2675.3	2682.6	2686.9	2700.1	2707.3	2719.0	2729.2	2743.8	2762.7
17.5°	2627.2	2625.8	2627.2	2636.0	2644.7	2656.4	2662.2	2676.8	2686.9	2705.9	2723.4
20°	2582.1	2585.0	2585.0	2592.3	2598.1	2612.7	2618.5	2634.6	2646.2	2663.6	2684.1
22.5°	2542.8	2541.3	2541.3	2551.5	2555.9	2569.0	2574.8	2589.4	2602.5	2617.0	2636.0
25°	2503.5	2500.5	2506.4	2507.8	2510.7	2525.3	2529.7	2539.8	2553.0	2566.1	2585.0
27.5°	2445.2	2442.3	2443.8	2449.6	2453.9	2465.6	2468.5	2478.7	2488.9	2500.5	2516.6
30°	2333.0	2330.2	2328.7	2338.9	2343.3	2352.0	2356.4	2373.9	2376.7	2389.9	2401.5
32.5°	2184.5	2183.1	2186.0	2194.7	2199.1	2210.7	2216.6	2226.8	2234.0	2241.3	2252.9
35°	2018.5	2015.6	2018.5	2027.3	2027.3	2037.4	2041.8	2046.1	2044.7	2046.1	2043.3
37.5°	1864.1	1862.6	1864.1	1868.5	1864.1	1868.5	1864.1	1855.4	1839.4	1821.9	1804.4
40°	1733.1	1734.5	1725.8	1731.6	1715.5	1712.7	1696.7	1674.8	1642.8	1607.8	1558.3
42.5°	1593.3	1588.9	1583.1	1585.9	1572.9	1562.6	1536.4	1508.8	1468.0	1409.8	1350.0
45°	1421.4	1420.0	1417.0	1415.6	1406.8	1396.6	1374.8	1342.8	1297.6	1237.9	1166.5
47.5°	1253.9	1249.5	1249.5	1251.0	1240.8	1239.3	1221.8	1194.2	1154.9	1096.6	1022.4
50°	1093.7	1092.2	1095.2	1101.0	1093.7	1090.8	1079.2	1060.2	1025.3	975.8	905.8
52.5°	949.5	948.1	951.0	958.3	955.3	958.3	946.6	932.1	908.8	860.7	799.5
55°	808.3	808.3	808.3	817.0	817.0	817.0	811.2	802.5	780.6	745.6	688.9
57.5°	661.2	662.6	671.4	672.8	671.4	674.3	672.8	664.1	649.6	624.8	581.1
60°	537.4	537.4	541.8	546.2	544.7	546.2	546.2	541.8	527.2	506.8	471.9
62.5°	425.2	429.6	426.7	429.6	435.4	429.6	426.7	423.8	413.6	400.5	371.4
65°	321.8	324.8	324.8	326.2	323.3	324.8	319.0	314.6	308.8	294.2	275.3
67.5°	244.7	244.7	244.7	244.7	243.2	241.8	240.3	235.9	225.8	219.9	199.5
70°	187.9	179.1	179.1	179.1	179.1	180.6	176.2	170.4	167.5	157.3	142.7
72.5°	125.2	128.2	125.2	125.2	122.3	123.8	118.0	115.0	112.2	106.3	97.6
75°	90.3	83.0	85.9	87.4	83.0	85.9	80.1	74.3	74.3	69.9	65.5
77.5°	58.3	56.8	58.3	59.7	58.3	56.8	53.9	51.0	51.0	49.5	45.1
80°	42.3	40.8	40.8	40.8	39.3	40.8	37.9	37.9	34.9	33.5	30.6
82.5°	27.7	27.7	26.2	27.7	26.2	27.7	23.3	23.3	23.3	21.8	18.9
85°	18.9	16.0	16.0	17.5	14.6	17.5	16.0	14.6	13.1	13.1	11.6
87.5°	8.8	10.2	8.8	10.2	8.8	8.8	10.2	8.8	8.8	5.8	5.8
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: P246017

CATALOG NUMBER: LD8B50D010 ER8B50950 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6
2.5°	2968.0	2969.5	2969.5	2975.3	2978.2	2979.7	2979.7	2991.3	2987.0	2989.9	2992.8
5°	2925.8	2934.5	2937.5	2937.5	2953.5	2959.3	2965.1	2978.2	2979.7	2988.4	2998.6
7.5°	2885.0	2895.2	2901.1	2914.1	2924.3	2934.5	2952.0	2960.8	2969.5	2981.2	2994.2
10°	2845.7	2857.4	2869.0	2879.2	2895.2	2908.3	2919.9	2940.3	2950.6	2966.6	2984.0
12.5°	2807.9	2823.9	2834.0	2851.5	2869.0	2880.6	2898.1	2917.1	2933.1	2949.1	2969.5
15°	2774.3	2793.3	2804.9	2823.9	2842.8	2858.8	2877.7	2901.1	2912.7	2931.6	2950.6
17.5°	2737.9	2758.3	2772.9	2790.3	2813.7	2831.1	2847.2	2870.4	2885.0	2905.4	2927.3
20°	2700.1	2720.5	2737.9	2755.4	2778.7	2796.2	2815.1	2838.4	2854.4	2874.8	2892.3
22.5°	2654.9	2673.9	2692.8	2713.1	2736.5	2751.0	2772.9	2793.3	2810.7	2829.7	2847.2
25°	2596.7	2620.0	2634.6	2653.4	2672.4	2688.4	2711.7	2732.1	2746.6	2764.2	2780.2
27.5°	2528.2	2545.7	2557.3	2573.3	2592.3	2606.9	2624.3	2644.7	2659.3	2675.3	2686.9
30°	2411.7	2427.7	2437.9	2449.6	2468.5	2481.6	2496.2	2515.1	2525.3	2537.0	2547.2
32.5°	2258.8	2271.9	2277.7	2286.5	2299.6	2312.7	2324.3	2340.3	2344.7	2352.0	2352.0
35°	2037.4	2040.3	2038.9	2041.8	2047.6	2054.9	2065.1	2075.3	2081.1	2081.1	2076.8
37.5°	1778.2	1760.7	1741.8	1727.2	1722.9	1719.9	1725.8	1730.1	1736.0	1738.9	1731.6
40°	1508.8	1469.5	1427.2	1389.3	1363.1	1351.5	1347.1	1350.0	1350.0	1360.2	1360.2
42.5°	1277.2	1216.0	1153.4	1096.6	1058.7	1029.7	1016.5	1016.5	1018.0	1025.3	1029.7
45°	1085.0	1007.8	935.0	872.4	819.9	782.0	764.6	760.2	758.8	761.7	771.8
47.5°	937.9	857.8	782.0	704.9	649.6	611.7	595.7	589.8	584.0	589.8	591.3
50°	822.9	739.8	659.7	582.5	524.3	490.8	470.4	461.6	460.2	460.2	463.1
52.5°	718.0	640.8	560.7	482.1	420.9	388.9	369.9	365.5	359.7	365.5	365.5
55°	618.9	541.8	463.1	388.9	337.8	304.4	286.9	281.1	278.1	282.5	282.5
57.5°	511.2	445.6	372.9	305.8	254.9	231.6	218.4	211.2	209.7	212.6	209.7
60°	419.4	364.1	301.5	240.3	201.0	176.2	166.0	163.1	160.2	163.1	163.1
62.5°	332.0	285.5	234.4	187.9	154.4	136.9	125.2	125.2	123.8	123.8	125.2
65°	246.1	209.7	173.3	134.0	107.8	94.7	85.9	85.9	84.5	85.9	84.5
67.5°	179.1	154.4	125.2	97.6	77.2	69.9	64.1	59.7	62.6	59.7	58.3
70°	131.1	110.7	90.3	74.3	59.7	52.5	48.1	46.6	43.7	43.7	43.7
72.5°	87.4	74.3	61.1	48.1	39.3	32.0	30.6	27.7	24.8	26.2	29.1
75°	58.3	49.5	43.7	34.9	26.2	26.2	17.5	17.5	14.6	17.5	13.1
77.5°	40.8	33.5	26.2	21.8	17.5	16.0	11.6	11.6	10.2	10.2	10.2
80°	29.1	24.8	18.9	16.0	11.6	11.6	10.2	8.8	7.3	7.3	8.8
82.5°	17.5	13.1	13.1	11.6	7.3	5.8	4.4	5.8	2.9	2.9	2.9
85°	10.2	8.8	7.3	4.4	2.9	2.9	1.4	0.0	1.4	1.4	0.0
87.5°	5.8	2.9	2.9	1.4	0.0	1.4	1.4	0.0	0.0	0.0	2.9
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: P246017

CATALOG NUMBER: LD8B50D010 ER8B50950 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6
2.5°	3000.1	2998.6	3001.5	3001.5	3010.3	3008.8	3013.2	3013.2	3010.3	3011.7	3017.5
5°	3010.3	3014.7	3023.4	3030.7	3043.7	3049.6	3056.9	3064.2	3065.6	3070.0	3074.4
7.5°	3010.3	3024.9	3035.0	3048.1	3065.6	3075.8	3091.8	3104.9	3110.8	3118.0	3126.8
10°	3004.4	3019.0	3037.9	3052.5	3074.4	3090.4	3106.4	3126.8	3135.5	3147.1	3158.8
12.5°	2992.8	3008.8	3029.2	3048.1	3072.9	3087.4	3107.8	3126.8	3139.9	3155.9	3169.0
15°	2975.3	2994.2	3013.2	3032.1	3058.3	3075.8	3094.7	3116.6	3129.7	3147.1	3158.8
17.5°	2947.6	2968.0	2985.5	3003.0	3027.7	3048.1	3065.6	3086.0	3099.1	3113.7	3129.7
20°	2914.1	2933.1	2952.0	2966.6	2991.3	3008.8	3027.7	3046.7	3056.9	3059.8	3084.6
22.5°	2871.9	2885.0	2899.6	2922.9	2937.5	2953.5	2971.0	2988.4	2998.6	3014.7	3023.4
25°	2802.0	2815.1	2831.1	2841.3	2858.8	2871.9	2889.4	2908.3	2914.1	2925.8	2934.5
27.5°	2704.4	2711.7	2719.0	2727.7	2737.9	2745.2	2755.4	2764.2	2770.0	2775.8	2781.6
30°	2550.0	2550.0	2550.0	2544.2	2548.6	2553.0	2554.4	2553.0	2553.0	2551.5	2551.5
32.5°	2346.2	2334.5	2321.4	2309.8	2305.4	2299.6	2296.6	2292.3	2285.0	2280.6	2282.1
35°	2070.9	2044.7	2028.7	2014.1	2002.5	1993.7	1989.4	1985.0	1983.6	1977.7	1971.9
37.5°	1727.2	1708.3	1696.7	1687.9	1677.7	1669.0	1670.4	1671.9	1676.2	1673.3	1674.8
40°	1363.1	1358.8	1363.1	1352.9	1350.0	1352.9	1360.2	1370.4	1376.3	1382.1	1392.3
42.5°	1036.9	1044.2	1054.4	1054.4	1058.7	1064.6	1073.3	1089.4	1098.1	1108.3	1119.9
45°	780.6	789.3	802.5	806.8	809.7	817.0	827.2	840.3	846.1	854.9	865.1
47.5°	601.5	607.3	614.5	621.9	629.1	632.1	642.2	642.2	649.6	655.4	658.2
50°	468.9	474.8	480.6	484.9	487.9	492.3	495.1	499.5	501.0	503.9	505.3
52.5°	367.0	374.3	374.3	377.2	381.5	385.9	384.5	385.9	387.4	387.4	391.7
55°	286.9	286.9	291.3	291.3	294.2	292.7	294.2	294.2	294.2	294.2	295.6
57.5°	214.1	215.6	219.9	217.0	215.6	218.4	215.6	218.4	217.0	219.9	215.6
60°	164.5	164.5	166.0	166.0	167.5	167.5	167.5	166.0	166.0	164.5	164.5
62.5°	123.8	125.2	126.7	125.2	125.2	125.2	123.8	123.8	122.3	120.8	120.8
65°	83.0	81.6	84.5	81.6	83.0	83.0	81.6	83.0	78.6	80.1	78.6
67.5°	59.7	58.3	56.8	58.3	56.8	55.3	55.3	56.8	58.3	53.9	53.9
70°	39.3	40.8	39.3	40.8	42.3	42.3	40.8	39.3	40.8	37.9	39.3
72.5°	24.8	24.8	24.8	24.8	24.8	26.2	26.2	26.2	23.3	23.3	21.8
75°	11.6	16.0	13.1	11.6	16.0	16.0	14.6	14.6	13.1	13.1	13.1
77.5°	11.6	8.8	8.8	8.8	8.8	8.8	8.8	8.8	7.3	8.8	7.3
80°	5.8	5.8	5.8	4.4	5.8	5.8	7.3	5.8	5.8	4.4	7.3
82.5°	2.9	2.9	2.9	0.0	1.4	2.9	2.9	1.4	2.9	2.9	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: P246017

CATALOG NUMBER: LD8B50D010 ER8B50950 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6
2.5°	3016.1	3014.7	3016.1	3017.5	3016.1	3014.7	3016.1	3017.5	3011.7	3010.3	3013.2
5°	3080.2	3080.2	3083.1	3084.6	3083.1	3080.2	3080.2	3074.4	3070.0	3065.6	3064.2
7.5°	3135.5	3138.4	3141.3	3142.8	3141.3	3138.4	3135.5	3126.8	3118.0	3110.8	3104.9
10°	3169.0	3173.4	3179.2	3182.1	3179.2	3173.4	3169.0	3158.8	3147.1	3135.5	3126.8
12.5°	3183.6	3188.0	3195.2	3193.8	3195.2	3188.0	3183.6	3169.0	3155.9	3139.9	3126.8
15°	3173.4	3179.2	3186.5	3189.4	3186.5	3179.2	3173.4	3158.8	3147.1	3129.7	3116.6
17.5°	3141.3	3150.1	3154.5	3158.8	3154.5	3150.1	3141.3	3129.7	3113.7	3099.1	3086.0
20°	3097.6	3103.5	3109.3	3110.8	3109.3	3103.5	3097.6	3084.6	3059.8	3056.9	3046.7
22.5°	3035.0	3039.4	3052.5	3048.1	3052.5	3039.4	3035.0	3023.4	3014.7	2998.6	2988.4
25°	2944.7	2949.1	2950.6	2952.0	2950.6	2949.1	2944.7	2934.5	2925.8	2914.1	2908.3
27.5°	2788.9	2788.9	2791.8	2793.3	2791.8	2788.9	2788.9	2781.6	2775.8	2770.0	2764.2
30°	2553.0	2553.0	2553.0	2560.3	2553.0	2553.0	2553.0	2551.5	2551.5	2553.0	2553.0
32.5°	2280.6	2277.7	2274.8	2277.7	2274.8	2277.7	2280.6	2282.1	2280.6	2285.0	2292.3
35°	1971.9	1970.4	1974.8	1969.0	1974.8	1970.4	1971.9	1971.9	1977.7	1983.6	1985.0
37.5°	1676.2	1673.3	1679.2	1673.3	1679.2	1673.3	1676.2	1674.8	1673.3	1676.2	1671.9
40°	1395.2	1398.1	1398.1	1409.8	1398.1	1398.1	1395.2	1392.3	1382.1	1376.3	1370.4
42.5°	1125.8	1134.5	1131.6	1140.3	1131.6	1134.5	1125.8	1119.9	1108.3	1098.1	1089.4
45°	870.9	876.7	876.7	879.6	876.7	876.7	870.9	865.1	854.9	846.1	840.3
47.5°	668.4	668.4	668.4	669.9	668.4	668.4	668.4	658.2	655.4	649.6	642.2
50°	508.3	509.7	511.2	512.6	511.2	509.7	508.3	505.3	503.9	501.0	499.5
52.5°	390.3	391.7	388.9	391.7	388.9	391.7	390.3	391.7	387.4	387.4	385.9
55°	295.6	294.2	295.6	297.1	295.6	294.2	295.6	295.6	294.2	294.2	294.2
57.5°	217.0	214.1	214.1	214.1	214.1	214.1	217.0	215.6	219.9	217.0	218.4
60°	161.7	163.1	163.1	164.5	163.1	163.1	161.7	164.5	164.5	166.0	166.0
62.5°	119.4	123.8	120.8	123.8	120.8	123.8	119.4	120.8	120.8	122.3	123.8
65°	77.2	77.2	77.2	78.6	77.2	77.2	77.2	78.6	80.1	78.6	83.0
67.5°	52.5	53.9	56.8	55.3	56.8	53.9	52.5	53.9	53.9	58.3	56.8
70°	42.3	37.9	37.9	42.3	37.9	37.9	42.3	39.3	37.9	40.8	39.3
72.5°	24.8	21.8	24.8	24.8	24.8	21.8	24.8	21.8	23.3	23.3	26.2
75°	13.1	11.6	10.2	14.6	10.2	11.6	13.1	13.1	13.1	13.1	14.6
77.5°	8.8	7.3	10.2	10.2	10.2	7.3	8.8	7.3	8.8	7.3	8.8
80°	4.4	5.8	4.4	7.3	4.4	5.8	4.4	7.3	4.4	5.8	5.8
82.5°	1.4	2.9	2.9	2.9	2.9	2.9	1.4	1.4	2.9	2.9	1.4
85°	0.0	2.9	1.4	1.4	1.4	2.9	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: P246017

CATALOG NUMBER: LD8B50D010 ER8B50950 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6
2.5°	3013.2	3008.8	3010.3	3001.5	3001.5	2998.6	3000.1	2992.8	2989.9	2987.0	2991.3
5°	3056.9	3049.6	3043.7	3030.7	3023.4	3014.7	3010.3	2998.6	2988.4	2979.7	2978.2
7.5°	3091.8	3075.8	3065.6	3048.1	3035.0	3024.9	3010.3	2994.2	2981.2	2969.5	2960.8
10°	3106.4	3090.4	3074.4	3052.5	3037.9	3019.0	3004.4	2984.0	2966.6	2950.6	2940.3
12.5°	3107.8	3087.4	3072.9	3048.1	3029.2	3008.8	2992.8	2969.5	2949.1	2933.1	2917.1
15°	3094.7	3075.8	3058.3	3032.1	3013.2	2994.2	2975.3	2950.6	2931.6	2912.7	2901.1
17.5°	3065.6	3048.1	3027.7	3003.0	2985.5	2968.0	2947.6	2927.3	2905.4	2885.0	2870.4
20°	3027.7	3008.8	2991.3	2966.6	2952.0	2933.1	2914.1	2892.3	2874.8	2854.4	2838.4
22.5°	2971.0	2953.5	2937.5	2922.9	2899.6	2885.0	2871.9	2847.2	2829.7	2810.7	2793.3
25°	2889.4	2871.9	2858.8	2841.3	2831.1	2815.1	2802.0	2780.2	2764.2	2746.6	2732.1
27.5°	2755.4	2745.2	2737.9	2727.7	2719.0	2711.7	2704.4	2686.9	2675.3	2659.3	2644.7
30°	2554.4	2553.0	2548.6	2544.2	2550.0	2550.0	2550.0	2547.2	2537.0	2525.3	2515.1
32.5°	2296.6	2299.6	2305.4	2309.8	2321.4	2334.5	2346.2	2352.0	2352.0	2344.7	2340.3
35°	1989.4	1993.7	2002.5	2014.1	2028.7	2044.7	2070.9	2076.8	2081.1	2081.1	2075.3
37.5°	1670.4	1669.0	1677.7	1687.9	1696.7	1708.3	1727.2	1731.6	1738.9	1736.0	1730.1
40°	1360.2	1352.9	1350.0	1352.9	1363.1	1358.8	1363.1	1360.2	1360.2	1350.0	1350.0
42.5°	1073.3	1064.6	1058.7	1054.4	1054.4	1044.2	1036.9	1029.7	1025.3	1018.0	1016.5
45°	827.2	817.0	809.7	806.8	802.5	789.3	780.6	771.8	761.7	758.8	760.2
47.5°	642.2	632.1	629.1	621.9	614.5	607.3	601.5	591.3	589.8	584.0	589.8
50°	495.1	492.3	487.9	484.9	480.6	474.8	468.9	463.1	460.2	460.2	461.6
52.5°	384.5	385.9	381.5	377.2	374.3	374.3	367.0	365.5	365.5	359.7	365.5
55°	294.2	292.7	294.2	291.3	291.3	286.9	286.9	282.5	282.5	278.1	281.1
57.5°	215.6	218.4	215.6	217.0	219.9	215.6	214.1	209.7	212.6	209.7	211.2
60°	167.5	167.5	167.5	166.0	166.0	164.5	164.5	163.1	163.1	160.2	163.1
62.5°	123.8	125.2	125.2	125.2	126.7	125.2	123.8	125.2	123.8	123.8	125.2
65°	81.6	83.0	83.0	81.6	84.5	81.6	83.0	84.5	85.9	84.5	85.9
67.5°	55.3	55.3	56.8	58.3	56.8	58.3	59.7	58.3	59.7	62.6	59.7
70°	40.8	42.3	42.3	40.8	39.3	40.8	39.3	43.7	43.7	43.7	46.6
72.5°	26.2	26.2	24.8	24.8	24.8	24.8	24.8	29.1	26.2	24.8	27.7
75°	14.6	16.0	16.0	11.6	13.1	16.0	11.6	13.1	17.5	14.6	17.5
77.5°	8.8	8.8	8.8	8.8	8.8	8.8	11.6	10.2	10.2	10.2	11.6
80°	7.3	5.8	5.8	4.4	5.8	5.8	5.8	8.8	7.3	7.3	8.8
82.5°	2.9	2.9	1.4	0.0	2.9	2.9	2.9	2.9	2.9	2.9	5.8
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	2.9	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: P246017

CATALOG NUMBER: LD8B50D010 ER8B50950 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6
2.5°	2979.7	2979.7	2978.2	2975.3	2969.5	2969.5	2968.0	2963.6	2960.8	2959.3	2959.3
5°	2965.1	2959.3	2953.5	2937.5	2937.5	2934.5	2925.8	2919.9	2917.1	2909.8	2906.9
7.5°	2952.0	2934.5	2924.3	2914.1	2901.1	2895.2	2885.0	2880.6	2870.4	2863.2	2858.8
10°	2919.9	2908.3	2895.2	2879.2	2869.0	2857.4	2845.7	2837.0	2823.9	2816.5	2810.7
12.5°	2898.1	2880.6	2869.0	2851.5	2834.0	2823.9	2807.9	2797.7	2784.5	2770.0	2761.2
15°	2877.7	2858.8	2842.8	2823.9	2804.9	2793.3	2774.3	2762.7	2743.8	2729.2	2719.0
17.5°	2847.2	2831.1	2813.7	2790.3	2772.9	2758.3	2737.9	2723.4	2705.9	2686.9	2676.8
20°	2815.1	2796.2	2778.7	2755.4	2737.9	2720.5	2700.1	2684.1	2663.6	2646.2	2634.6
22.5°	2772.9	2751.0	2736.5	2713.1	2692.8	2673.9	2654.9	2636.0	2617.0	2602.5	2589.4
25°	2711.7	2688.4	2672.4	2653.4	2634.6	2620.0	2596.7	2585.0	2566.1	2553.0	2539.8
27.5°	2624.3	2606.9	2592.3	2573.3	2557.3	2545.7	2528.2	2516.6	2500.5	2488.9	2478.7
30°	2496.2	2481.6	2468.5	2449.6	2437.9	2427.7	2411.7	2401.5	2389.9	2376.7	2373.9
32.5°	2324.3	2312.7	2299.6	2286.5	2277.7	2271.9	2258.8	2252.9	2241.3	2234.0	2226.8
35°	2065.1	2054.9	2047.6	2041.8	2038.9	2040.3	2037.4	2043.3	2046.1	2044.7	2046.1
37.5°	1725.8	1719.9	1722.9	1727.2	1741.8	1760.7	1778.2	1804.4	1821.9	1839.4	1855.4
40°	1347.1	1351.5	1363.1	1389.3	1427.2	1469.5	1508.8	1558.3	1607.8	1642.8	1674.8
42.5°	1016.5	1029.7	1058.7	1096.6	1153.4	1216.0	1277.2	1350.0	1409.8	1468.0	1508.8
45°	764.6	782.0	819.9	872.4	935.0	1007.8	1085.0	1166.5	1237.9	1297.6	1342.8
47.5°	595.7	611.7	649.6	704.9	782.0	857.8	937.9	1022.4	1096.6	1154.9	1194.2
50°	470.4	490.8	524.3	582.5	659.7	739.8	822.9	905.8	975.8	1025.3	1060.2
52.5°	369.9	388.9	420.9	482.1	560.7	640.8	718.0	799.5	860.7	908.8	932.1
55°	286.9	304.4	337.8	388.9	463.1	541.8	618.9	688.9	745.6	780.6	802.5
57.5°	218.4	231.6	254.9	305.8	372.9	445.6	511.2	581.1	624.8	649.6	664.1
60°	166.0	176.2	201.0	240.3	301.5	364.1	419.4	471.9	506.8	527.2	541.8
62.5°	125.2	136.9	154.4	187.9	234.4	285.5	332.0	371.4	400.5	413.6	423.8
65°	85.9	94.7	107.8	134.0	173.3	209.7	246.1	275.3	294.2	308.8	314.6
67.5°	64.1	69.9	77.2	97.6	125.2	154.4	179.1	199.5	219.9	225.8	235.9
70°	48.1	52.5	59.7	74.3	90.3	110.7	131.1	142.7	157.3	167.5	170.4
72.5°	30.6	32.0	39.3	48.1	61.1	74.3	87.4	97.6	106.3	112.2	115.0
75°	17.5	26.2	26.2	34.9	43.7	49.5	58.3	65.5	69.9	74.3	74.3
77.5°	11.6	16.0	17.5	21.8	26.2	33.5	40.8	45.1	49.5	51.0	51.0
80°	10.2	11.6	11.6	16.0	18.9	24.8	29.1	30.6	33.5	34.9	37.9
82.5°	4.4	5.8	7.3	11.6	13.1	13.1	17.5	18.9	21.8	23.3	23.3
85°	1.4	2.9	2.9	4.4	7.3	8.8	10.2	11.6	13.1	13.1	14.6
87.5°	1.4	1.4	0.0	1.4	2.9	2.9	5.8	5.8	5.8	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: P246017

CATALOG NUMBER: LD8B50D010 ER8B50950 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6	2982.6
2.5°	2956.4	2957.8	2952.0	2950.6	2947.6	2949.1	2952.0
5°	2902.5	2903.9	2898.1	2892.3	2892.3	2890.8	2892.3
7.5°	2851.5	2853.0	2844.2	2841.3	2835.5	2837.0	2837.0
10°	2800.5	2800.5	2787.5	2786.0	2781.6	2780.2	2780.2
12.5°	2751.0	2746.6	2736.5	2730.6	2733.6	2724.8	2724.8
15°	2707.3	2700.1	2686.9	2682.6	2675.3	2672.4	2672.4
17.5°	2662.2	2656.4	2644.7	2636.0	2627.2	2625.8	2627.2
20°	2618.5	2612.7	2598.1	2592.3	2585.0	2585.0	2582.1
22.5°	2574.8	2569.0	2555.9	2551.5	2541.3	2541.3	2542.8
25°	2529.7	2525.3	2510.7	2507.8	2506.4	2500.5	2503.5
27.5°	2468.5	2465.6	2453.9	2449.6	2443.8	2442.3	2445.2
30°	2356.4	2352.0	2343.3	2338.9	2328.7	2330.2	2333.0
32.5°	2216.6	2210.7	2199.1	2194.7	2186.0	2183.1	2184.5
35°	2041.8	2037.4	2027.3	2027.3	2018.5	2015.6	2018.5
37.5°	1864.1	1868.5	1864.1	1868.5	1864.1	1862.6	1864.1
40°	1696.7	1712.7	1715.5	1731.6	1725.8	1734.5	1733.1
42.5°	1536.4	1562.6	1572.9	1585.9	1583.1	1588.9	1593.3
45°	1374.8	1396.6	1406.8	1415.6	1417.0	1420.0	1421.4
47.5°	1221.8	1239.3	1240.8	1251.0	1249.5	1249.5	1253.9
50°	1079.2	1090.8	1093.7	1101.0	1095.2	1092.2	1093.7
52.5°	946.6	958.3	955.3	958.3	951.0	948.1	949.5
55°	811.2	817.0	817.0	817.0	808.3	808.3	808.3
57.5°	672.8	674.3	671.4	672.8	671.4	662.6	661.2
60°	546.2	546.2	544.7	546.2	541.8	537.4	537.4
62.5°	426.7	429.6	435.4	429.6	426.7	429.6	425.2
65°	319.0	324.8	323.3	326.2	324.8	324.8	321.8
67.5°	240.3	241.8	243.2	244.7	244.7	244.7	244.7
70°	176.2	180.6	179.1	179.1	179.1	179.1	187.9
72.5°	118.0	123.8	122.3	125.2	125.2	128.2	125.2
75°	80.1	85.9	83.0	87.4	85.9	83.0	90.3
77.5°	53.9	56.8	58.3	59.7	58.3	56.8	58.3
80°	37.9	40.8	39.3	40.8	40.8	40.8	42.3
82.5°	23.3	27.7	26.2	27.7	26.2	27.7	27.7
85°	16.0	17.5	14.6	17.5	16.0	16.0	18.9
87.5°	10.2	8.8	8.8	10.2	8.8	10.2	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)