

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: P245003

Luminaire Tested: **LD8B50D010 ER8B50940 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245003
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 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4861.0 lumens
Efficiency: N/A
Efficacy: 91.7 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

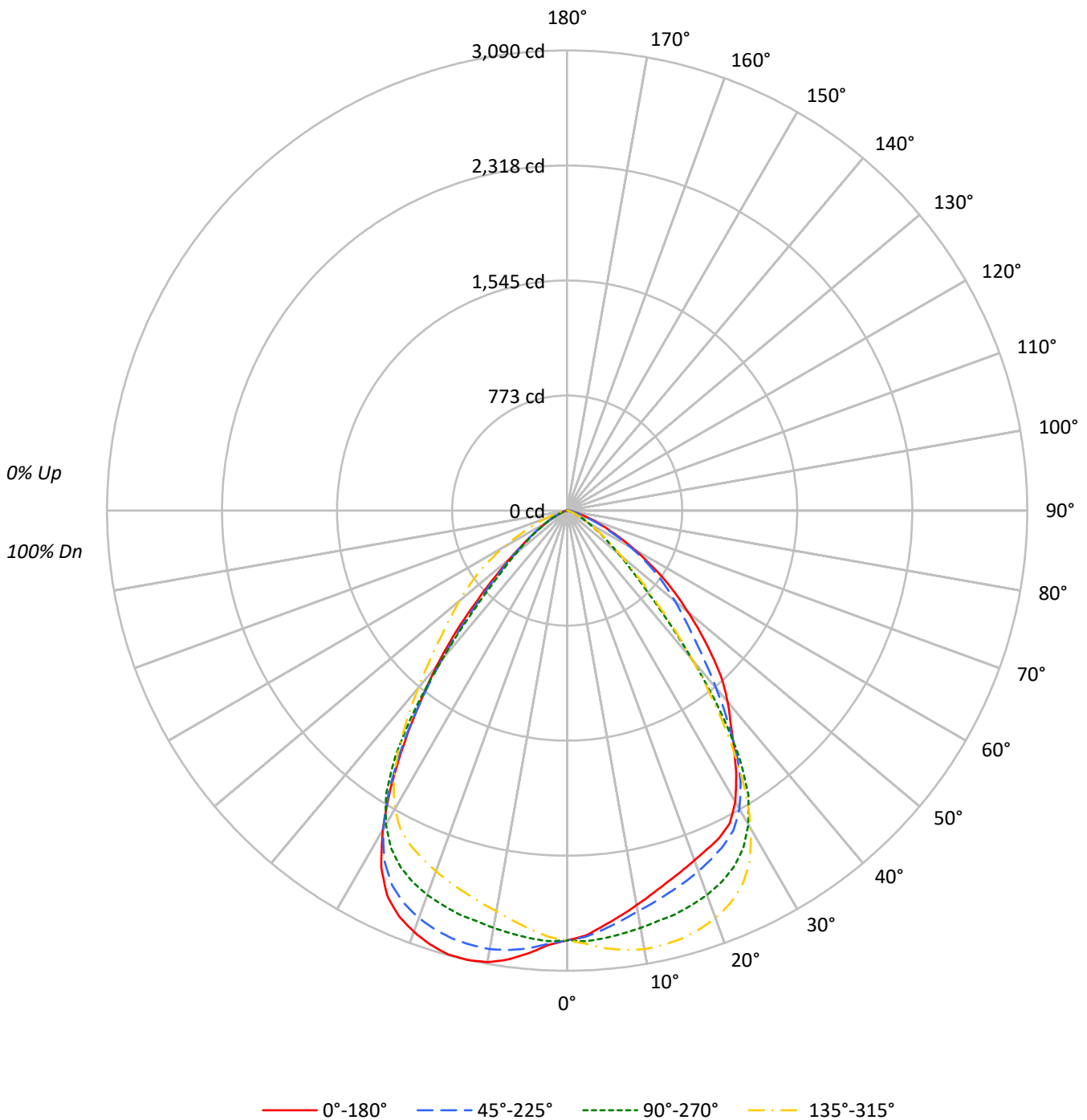
Input Watts (W): 53
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	88987	88987	88987	88987
5°	86625	89197	92383	89197
10°	84229	89080	96403	89080
15°	82546	89608	98515	89608
20°	81983	90121	98768	90121
25°	82413	89939	97180	89939
30°	80375	86649	88205	86649
35°	73519	75586	71716	75586
40°	67498	52580	54906	52580
45°	59976	32075	37116	32075
50°	50765	21429	23795	21429
55°	42047	14623	15451	14623
60°	32070	9732	9818	9732
65°	22721	6063	5553	6063
70°	16391	4066	3688	4066
75°	10401	2014	1680	2014
80°	7263	1509	1243	1509
85°	6475	0	495	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.7	5.7
10°-20°	795.4	16.4
20°-30°	1204.4	24.8
30°-40°	1207.1	24.8
40°-50°	758.0	15.6
50°-60°	403.9	8.3
60°-70°	166.1	3.4
70°-80°	43.9	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°	2274.5	46.8
0°-40°	3481.6	71.6
0°-60°	4643.6	95.5
0°-90°	4861.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4861.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2886	2886	2886	2886	2886	
5°	2798	2882	2984	2882	2798	264
15°	2586	2807	3086	2807	2586	731
25°	2422	2643	2856	2643	2422	1111
35°	1953	2008	1905	2008	1953	1224
45°	1375	736	851	736	1375	1058
55°	782	272	287	272	782	697
65°	311	83	76	83	311	323
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°	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8
2.5°	2856.2	2853.4	2852.0	2854.9	2856.2	2861.9	2860.5	2863.3	2863.3	2864.7	2867.5
5°	2798.5	2797.0	2798.5	2798.5	2804.1	2809.7	2808.3	2812.6	2815.4	2822.4	2825.2
7.5°	2744.9	2744.9	2743.5	2749.1	2752.0	2760.4	2759.0	2766.1	2770.3	2777.3	2787.2
10°	2690.0	2690.0	2691.3	2695.6	2697.0	2709.7	2709.7	2719.5	2725.2	2732.2	2744.9
12.5°	2636.4	2636.4	2644.9	2642.0	2647.7	2657.5	2661.8	2671.6	2680.1	2694.2	2706.9
15°	2585.7	2585.7	2588.5	2595.5	2599.8	2612.5	2619.5	2630.8	2640.7	2654.8	2673.1
17.5°	2542.0	2540.6	2542.0	2550.5	2558.9	2570.2	2575.8	2589.9	2599.8	2618.1	2635.0
20°	2498.3	2501.2	2501.2	2508.2	2513.8	2527.9	2533.5	2549.1	2560.3	2577.2	2597.0
22.5°	2460.3	2458.9	2458.9	2468.7	2473.0	2485.6	2491.3	2505.3	2518.0	2532.1	2550.5
25°	2422.2	2419.4	2425.1	2426.5	2429.2	2443.3	2447.6	2457.4	2470.1	2482.8	2501.2
27.5°	2365.9	2363.1	2364.5	2370.1	2374.3	2385.6	2388.4	2398.3	2408.1	2419.4	2434.9
30°	2257.3	2254.6	2253.2	2263.0	2267.3	2275.7	2279.9	2296.8	2299.6	2312.3	2323.6
32.5°	2113.6	2112.2	2115.1	2123.5	2127.7	2139.0	2144.6	2154.5	2161.5	2168.6	2179.9
35°	1953.0	1950.2	1953.0	1961.5	1961.5	1971.3	1975.6	1979.8	1978.4	1979.8	1977.0
37.5°	1803.7	1802.2	1803.7	1807.8	1803.7	1807.8	1803.7	1795.2	1779.7	1762.8	1745.8
40°	1676.8	1678.2	1669.8	1675.4	1659.9	1657.1	1641.6	1620.4	1589.5	1555.7	1507.8
42.5°	1541.6	1537.3	1531.7	1534.5	1521.8	1511.9	1486.6	1459.8	1420.3	1364.0	1306.2
45°	1375.3	1373.9	1371.0	1369.7	1361.2	1351.3	1330.2	1299.2	1255.5	1197.7	1128.7
47.5°	1213.2	1209.0	1209.0	1210.4	1200.5	1199.1	1182.2	1155.5	1117.4	1061.0	989.2
50°	1058.2	1056.8	1059.7	1065.3	1058.2	1055.4	1044.2	1025.8	992.0	944.1	876.4
52.5°	918.7	917.3	920.2	927.2	924.3	927.2	915.9	901.8	879.3	832.8	773.6
55°	782.1	782.1	782.1	790.5	790.5	790.5	784.8	776.4	755.3	721.5	666.5
57.5°	639.7	641.1	649.6	651.0	649.6	652.4	651.0	642.5	628.5	604.5	562.2
60°	520.0	520.0	524.2	528.4	527.0	528.4	528.4	524.2	510.1	490.4	456.6
62.5°	411.4	415.7	412.8	415.7	421.3	415.7	412.8	410.1	400.2	387.5	359.3
65°	311.4	314.2	314.2	315.6	312.8	314.2	308.6	304.4	298.8	284.7	266.3
67.5°	236.8	236.8	236.8	236.8	235.3	233.9	232.5	228.3	218.4	212.8	193.0
70°	181.8	173.3	173.3	173.3	173.3	174.8	170.5	164.9	162.1	152.2	138.1
72.5°	121.2	124.0	121.2	121.2	118.4	119.8	114.1	111.3	108.5	102.9	94.4
75°	87.3	80.3	83.1	84.6	80.3	83.1	77.5	71.9	71.9	67.6	63.4
77.5°	56.4	55.0	56.4	57.8	56.4	55.0	52.1	49.3	49.3	47.9	43.7
80°	40.9	39.4	39.4	39.4	38.0	39.4	36.7	36.7	33.8	32.4	29.6
82.5°	26.8	26.8	25.3	26.8	25.3	26.8	22.6	22.6	22.6	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	11.3
87.5°	8.5	9.9	8.5	9.9	8.5	8.5	9.9	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°	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8
2.5°	2871.7	2873.1	2873.1	2878.8	2881.6	2883.0	2883.0	2894.3	2890.1	2892.9	2895.7
5°	2830.9	2839.3	2842.1	2842.1	2857.6	2863.3	2868.9	2881.6	2883.0	2891.4	2901.3
7.5°	2791.4	2801.3	2806.9	2819.6	2829.4	2839.3	2856.2	2864.7	2873.1	2884.4	2897.1
10°	2753.4	2764.7	2775.9	2785.8	2801.3	2814.0	2825.2	2844.9	2854.9	2870.3	2887.2
12.5°	2716.8	2732.2	2742.1	2759.0	2775.9	2787.2	2804.1	2822.4	2837.9	2853.4	2873.1
15°	2684.3	2702.7	2713.9	2732.2	2750.6	2766.1	2784.4	2806.9	2818.2	2836.5	2854.9
17.5°	2649.1	2668.8	2682.9	2699.8	2722.4	2739.3	2754.8	2777.3	2791.4	2811.1	2832.3
20°	2612.5	2632.2	2649.1	2666.0	2688.6	2705.4	2723.8	2746.3	2761.8	2781.5	2798.5
22.5°	2568.8	2587.1	2605.4	2625.1	2647.7	2661.8	2682.9	2702.7	2719.5	2737.9	2754.8
25°	2512.4	2535.0	2549.1	2567.3	2585.7	2601.2	2623.7	2643.4	2657.5	2674.5	2690.0
27.5°	2446.2	2463.1	2474.4	2489.9	2508.2	2522.3	2539.2	2558.9	2573.0	2588.5	2599.8
30°	2333.4	2349.0	2358.8	2370.1	2388.4	2401.1	2415.2	2433.5	2443.3	2454.7	2464.5
32.5°	2185.5	2198.2	2203.8	2212.3	2225.0	2237.6	2248.9	2264.4	2268.6	2275.7	2275.7
35°	1971.3	1974.1	1972.7	1975.6	1981.2	1988.2	1998.1	2007.9	2013.6	2013.6	2009.4
37.5°	1720.5	1703.6	1685.3	1671.2	1667.0	1664.1	1669.8	1674.0	1679.7	1682.4	1675.4
40°	1459.8	1421.8	1380.9	1344.3	1318.9	1307.7	1303.4	1306.2	1306.2	1316.1	1316.1
42.5°	1235.8	1176.6	1116.0	1061.0	1024.4	996.3	983.6	983.6	984.9	992.0	996.3
45°	1049.8	975.1	904.6	844.1	793.3	756.7	739.8	735.5	734.2	736.9	746.8
47.5°	907.5	830.0	756.7	682.0	628.5	591.8	576.3	570.7	565.0	570.7	572.1
50°	796.2	715.8	638.3	563.6	507.3	474.8	455.1	446.7	445.3	445.3	448.1
52.5°	694.7	620.0	542.5	466.4	407.2	376.2	357.9	353.7	348.1	353.7	353.7
55°	598.8	524.2	448.1	376.2	326.9	294.5	277.6	272.0	269.1	273.4	273.4
57.5°	494.6	431.2	360.8	295.9	246.6	224.1	211.4	204.3	202.9	205.7	202.9
60°	405.8	352.3	291.7	232.5	194.5	170.5	160.7	157.8	155.0	157.8	157.8
62.5°	321.3	276.2	226.8	181.8	149.3	132.5	121.2	121.2	119.8	119.8	121.2
65°	238.1	202.9	167.7	129.6	104.3	91.6	83.1	83.1	81.7	83.1	81.7
67.5°	173.3	149.3	121.2	94.4	74.7	67.6	62.0	57.8	60.6	57.8	56.4
70°	126.8	107.1	87.3	71.9	57.8	50.7	46.5	45.1	42.3	42.3	42.3
72.5°	84.6	71.9	59.2	46.5	38.0	31.0	29.6	26.8	24.0	25.3	28.2
75°	56.4	47.9	42.3	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	11.3	11.3	9.9	9.9	9.9
80°	28.2	24.0	18.3	15.5	11.3	11.3	9.9	8.5	7.0	7.0	8.5
82.5°	16.9	12.7	12.7	11.3	7.0	5.6	4.2	5.6	2.8	2.8	2.8
85°	9.9	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°	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8
2.5°	2902.8	2901.3	2904.1	2904.1	2912.6	2911.2	2915.4	2915.4	2912.6	2914.0	2919.6
5°	2912.6	2916.9	2925.3	2932.3	2945.0	2950.7	2957.7	2964.8	2966.2	2970.4	2974.6
7.5°	2912.6	2926.7	2936.6	2949.2	2966.2	2976.0	2991.5	3004.2	3009.8	3016.8	3025.3
10°	2906.9	2921.0	2939.4	2953.4	2974.6	2990.1	3005.6	3025.3	3033.8	3045.0	3056.3
12.5°	2895.7	2911.2	2930.9	2949.2	2973.2	2987.3	3007.0	3025.3	3038.0	3053.5	3066.2
15°	2878.8	2897.1	2915.4	2933.7	2959.1	2976.0	2994.3	3015.5	3028.2	3045.0	3056.3
17.5°	2852.0	2871.7	2888.7	2905.5	2929.5	2949.2	2966.2	2985.9	2998.6	3012.7	3028.2
20°	2819.6	2837.9	2856.2	2870.3	2894.3	2911.2	2929.5	2947.8	2957.7	2960.5	2984.5
22.5°	2778.8	2791.4	2805.5	2828.1	2842.1	2857.6	2874.6	2891.4	2901.3	2916.9	2925.3
25°	2711.1	2723.8	2739.3	2749.1	2766.1	2778.8	2795.6	2814.0	2819.6	2830.9	2839.3
27.5°	2616.7	2623.7	2630.8	2639.2	2649.1	2656.1	2666.0	2674.5	2680.1	2685.7	2691.3
30°	2467.3	2467.3	2467.3	2461.7	2465.9	2470.1	2471.5	2470.1	2470.1	2468.7	2468.7
32.5°	2270.0	2258.8	2246.1	2234.8	2230.6	2225.0	2222.1	2217.9	2210.9	2206.6	2208.0
35°	2003.7	1978.4	1962.9	1948.8	1937.5	1929.1	1924.8	1920.6	1919.2	1913.6	1907.9
37.5°	1671.2	1652.9	1641.6	1633.1	1623.3	1614.8	1616.2	1617.7	1621.8	1619.1	1620.4
40°	1318.9	1314.7	1318.9	1309.0	1306.2	1309.0	1316.1	1326.0	1331.6	1337.2	1347.1
42.5°	1003.3	1010.3	1020.2	1020.2	1024.4	1030.1	1038.5	1054.0	1062.4	1072.3	1083.6
45°	755.3	763.7	776.4	780.6	783.5	790.5	800.4	813.0	818.7	827.1	837.0
47.5°	582.0	587.6	594.6	601.7	608.7	611.5	621.4	621.4	628.5	634.1	636.9
50°	453.7	459.4	465.0	469.2	472.1	476.3	479.1	483.3	484.7	487.5	488.9
52.5°	355.1	362.1	362.1	364.9	369.2	373.4	372.0	373.4	374.8	374.8	379.0
55°	277.6	277.6	281.8	281.8	284.7	283.2	284.7	284.7	284.7	284.7	286.1
57.5°	207.1	208.6	212.8	210.0	208.6	211.4	208.6	211.4	210.0	212.8	208.6
60°	159.2	159.2	160.7	160.7	162.1	162.1	162.1	160.7	160.7	159.2	159.2
62.5°	119.8	121.2	122.6	121.2	121.2	121.2	119.8	119.8	118.4	116.9	116.9
65°	80.3	78.9	81.7	78.9	80.3	80.3	78.9	80.3	76.1	77.5	76.1
67.5°	57.8	56.4	55.0	56.4	55.0	53.5	53.5	55.0	56.4	52.1	52.1
70°	38.0	39.4	38.0	39.4	40.9	40.9	39.4	38.0	39.4	36.7	38.0
72.5°	24.0	24.0	24.0	24.0	24.0	25.3	25.3	25.3	22.6	22.6	21.1
75°	11.3	15.5	12.7	11.3	15.5	15.5	14.1	14.1	12.7	12.7	12.7
77.5°	11.3	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: P245003

CATALOG NUMBER: LD8B50D010 ER8B50940 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8
2.5°	2918.2	2916.9	2918.2	2919.6	2918.2	2916.9	2918.2	2919.6	2914.0	2912.6	2915.4
5°	2980.2	2980.2	2983.0	2984.5	2983.0	2980.2	2980.2	2974.6	2970.4	2966.2	2964.8
7.5°	3033.8	3036.6	3039.4	3040.8	3039.4	3036.6	3033.8	3025.3	3016.8	3009.8	3004.2
10°	3066.2	3070.4	3076.1	3078.8	3076.1	3070.4	3066.2	3056.3	3045.0	3033.8	3025.3
12.5°	3080.3	3084.5	3091.5	3090.2	3091.5	3084.5	3080.3	3066.2	3053.5	3038.0	3025.3
15°	3070.4	3076.1	3083.1	3085.9	3083.1	3076.1	3070.4	3056.3	3045.0	3028.2	3015.5
17.5°	3039.4	3047.9	3052.1	3056.3	3052.1	3047.9	3039.4	3028.2	3012.7	2998.6	2985.9
20°	2997.1	3002.8	3008.4	3009.8	3008.4	3002.8	2997.1	2984.5	2960.5	2957.7	2947.8
22.5°	2936.6	2940.8	2953.4	2949.2	2953.4	2940.8	2936.6	2925.3	2916.9	2901.3	2891.4
25°	2849.2	2853.4	2854.9	2856.2	2854.9	2853.4	2849.2	2839.3	2830.9	2819.6	2814.0
27.5°	2698.4	2698.4	2701.2	2702.7	2701.2	2698.4	2698.4	2691.3	2685.7	2680.1	2674.5
30°	2470.1	2470.1	2470.1	2477.2	2470.1	2470.1	2470.1	2468.7	2468.7	2470.1	2470.1
32.5°	2206.6	2203.8	2201.0	2203.8	2201.0	2203.8	2206.6	2208.0	2206.6	2210.9	2217.9
35°	1907.9	1906.5	1910.7	1905.1	1910.7	1906.5	1907.9	1907.9	1913.6	1919.2	1920.6
37.5°	1621.8	1619.1	1624.7	1619.1	1624.7	1619.1	1621.8	1620.4	1619.1	1621.8	1617.7
40°	1349.9	1352.7	1352.7	1364.0	1352.7	1352.7	1349.9	1347.1	1337.2	1331.6	1326.0
42.5°	1089.2	1097.7	1094.9	1103.3	1094.9	1097.7	1089.2	1083.6	1072.3	1062.4	1054.0
45°	842.6	848.3	848.3	851.1	848.3	848.3	842.6	837.0	827.1	818.7	813.0
47.5°	646.8	646.8	646.8	648.2	646.8	646.8	646.8	636.9	634.1	628.5	621.4
50°	491.8	493.2	494.6	496.0	494.6	493.2	491.8	488.9	487.5	484.7	483.3
52.5°	377.6	379.0	376.2	379.0	376.2	379.0	377.6	379.0	374.8	374.8	373.4
55°	286.1	284.7	286.1	287.4	286.1	284.7	286.1	286.1	284.7	284.7	284.7
57.5°	210.0	207.1	207.1	207.1	207.1	207.1	210.0	208.6	212.8	210.0	211.4
60°	156.4	157.8	157.8	159.2	157.8	157.8	156.4	159.2	159.2	160.7	160.7
62.5°	115.5	119.8	116.9	119.8	116.9	119.8	115.5	116.9	116.9	118.4	119.8
65°	74.7	74.7	74.7	76.1	74.7	74.7	74.7	76.1	77.5	76.1	80.3
67.5°	50.7	52.1	55.0	53.5	55.0	52.1	50.7	52.1	52.1	56.4	55.0
70°	40.9	36.7	36.7	40.9	36.7	36.7	40.9	38.0	36.7	39.4	38.0
72.5°	24.0	21.1	24.0	24.0	24.0	21.1	24.0	21.1	22.6	22.6	25.3
75°	12.7	11.3	9.9	14.1	9.9	11.3	12.7	12.7	12.7	12.7	14.1
77.5°	8.5	7.0	9.9	9.9	9.9	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: P245003

CATALOG NUMBER: LD8B50D010 ER8B50940 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8
2.5°	2915.4	2911.2	2912.6	2904.1	2904.1	2901.3	2902.8	2895.7	2892.9	2890.1	2894.3
5°	2957.7	2950.7	2945.0	2932.3	2925.3	2916.9	2912.6	2901.3	2891.4	2883.0	2881.6
7.5°	2991.5	2976.0	2966.2	2949.2	2936.6	2926.7	2912.6	2897.1	2884.4	2873.1	2864.7
10°	3005.6	2990.1	2974.6	2953.4	2939.4	2921.0	2906.9	2887.2	2870.3	2854.9	2844.9
12.5°	3007.0	2987.3	2973.2	2949.2	2930.9	2911.2	2895.7	2873.1	2853.4	2837.9	2822.4
15°	2994.3	2976.0	2959.1	2933.7	2915.4	2897.1	2878.8	2854.9	2836.5	2818.2	2806.9
17.5°	2966.2	2949.2	2929.5	2905.5	2888.7	2871.7	2852.0	2832.3	2811.1	2791.4	2777.3
20°	2929.5	2911.2	2894.3	2870.3	2856.2	2837.9	2819.6	2798.5	2781.5	2761.8	2746.3
22.5°	2874.6	2857.6	2842.1	2828.1	2805.5	2791.4	2778.8	2754.8	2737.9	2719.5	2702.7
25°	2795.6	2778.8	2766.1	2749.1	2739.3	2723.8	2711.1	2690.0	2674.5	2657.5	2643.4
27.5°	2666.0	2656.1	2649.1	2639.2	2630.8	2623.7	2616.7	2599.8	2588.5	2573.0	2558.9
30°	2471.5	2470.1	2465.9	2461.7	2467.3	2467.3	2467.3	2464.5	2454.7	2443.3	2433.5
32.5°	2222.1	2225.0	2230.6	2234.8	2246.1	2258.8	2270.0	2275.7	2275.7	2268.6	2264.4
35°	1924.8	1929.1	1937.5	1948.8	1962.9	1978.4	2003.7	2009.4	2013.6	2013.6	2007.9
37.5°	1616.2	1614.8	1623.3	1633.1	1641.6	1652.9	1671.2	1675.4	1682.4	1679.7	1674.0
40°	1316.1	1309.0	1306.2	1309.0	1318.9	1314.7	1318.9	1316.1	1316.1	1306.2	1306.2
42.5°	1038.5	1030.1	1024.4	1020.2	1020.2	1010.3	1003.3	996.3	992.0	984.9	983.6
45°	800.4	790.5	783.5	780.6	776.4	763.7	755.3	746.8	736.9	734.2	735.5
47.5°	621.4	611.5	608.7	601.7	594.6	587.6	582.0	572.1	570.7	565.0	570.7
50°	479.1	476.3	472.1	469.2	465.0	459.4	453.7	448.1	445.3	445.3	446.7
52.5°	372.0	373.4	369.2	364.9	362.1	362.1	355.1	353.7	353.7	348.1	353.7
55°	284.7	283.2	284.7	281.8	281.8	277.6	277.6	273.4	273.4	269.1	272.0
57.5°	208.6	211.4	208.6	210.0	212.8	208.6	207.1	202.9	205.7	202.9	204.3
60°	162.1	162.1	162.1	160.7	160.7	159.2	159.2	157.8	157.8	155.0	157.8
62.5°	119.8	121.2	121.2	121.2	122.6	121.2	119.8	121.2	119.8	119.8	121.2
65°	78.9	80.3	80.3	78.9	81.7	78.9	80.3	81.7	83.1	81.7	83.1
67.5°	53.5	53.5	55.0	56.4	55.0	56.4	57.8	56.4	57.8	60.6	57.8
70°	39.4	40.9	40.9	39.4	38.0	39.4	38.0	42.3	42.3	42.3	45.1
72.5°	25.3	25.3	24.0	24.0	24.0	24.0	24.0	28.2	25.3	24.0	26.8
75°	14.1	15.5	15.5	11.3	12.7	15.5	11.3	12.7	16.9	14.1	16.9
77.5°	8.5	8.5	8.5	8.5	8.5	8.5	11.3	9.9	9.9	9.9	11.3
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: P245003

CATALOG NUMBER: LD8B50D010 ER8B50940 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8
2.5°	2883.0	2883.0	2881.6	2878.8	2873.1	2873.1	2871.7	2867.5	2864.7	2863.3	2863.3
5°	2868.9	2863.3	2857.6	2842.1	2842.1	2839.3	2830.9	2825.2	2822.4	2815.4	2812.6
7.5°	2856.2	2839.3	2829.4	2819.6	2806.9	2801.3	2791.4	2787.2	2777.3	2770.3	2766.1
10°	2825.2	2814.0	2801.3	2785.8	2775.9	2764.7	2753.4	2744.9	2732.2	2725.2	2719.5
12.5°	2804.1	2787.2	2775.9	2759.0	2742.1	2732.2	2716.8	2706.9	2694.2	2680.1	2671.6
15°	2784.4	2766.1	2750.6	2732.2	2713.9	2702.7	2684.3	2673.1	2654.8	2640.7	2630.8
17.5°	2754.8	2739.3	2722.4	2699.8	2682.9	2668.8	2649.1	2635.0	2618.1	2599.8	2589.9
20°	2723.8	2705.4	2688.6	2666.0	2649.1	2632.2	2612.5	2597.0	2577.2	2560.3	2549.1
22.5°	2682.9	2661.8	2647.7	2625.1	2605.4	2587.1	2568.8	2550.5	2532.1	2518.0	2505.3
25°	2623.7	2601.2	2585.7	2567.3	2549.1	2535.0	2512.4	2501.2	2482.8	2470.1	2457.4
27.5°	2539.2	2522.3	2508.2	2489.9	2474.4	2463.1	2446.2	2434.9	2419.4	2408.1	2398.3
30°	2415.2	2401.1	2388.4	2370.1	2358.8	2349.0	2333.4	2323.6	2312.3	2299.6	2296.8
32.5°	2248.9	2237.6	2225.0	2212.3	2203.8	2198.2	2185.5	2179.9	2168.6	2161.5	2154.5
35°	1998.1	1988.2	1981.2	1975.6	1972.7	1974.1	1971.3	1977.0	1979.8	1978.4	1979.8
37.5°	1669.8	1664.1	1667.0	1671.2	1685.3	1703.6	1720.5	1745.8	1762.8	1779.7	1795.2
40°	1303.4	1307.7	1318.9	1344.3	1380.9	1421.8	1459.8	1507.8	1555.7	1589.5	1620.4
42.5°	983.6	996.3	1024.4	1061.0	1116.0	1176.6	1235.8	1306.2	1364.0	1420.3	1459.8
45°	739.8	756.7	793.3	844.1	904.6	975.1	1049.8	1128.7	1197.7	1255.5	1299.2
47.5°	576.3	591.8	628.5	682.0	756.7	830.0	907.5	989.2	1061.0	1117.4	1155.5
50°	455.1	474.8	507.3	563.6	638.3	715.8	796.2	876.4	944.1	992.0	1025.8
52.5°	357.9	376.2	407.2	466.4	542.5	620.0	694.7	773.6	832.8	879.3	901.8
55°	277.6	294.5	326.9	376.2	448.1	524.2	598.8	666.5	721.5	755.3	776.4
57.5°	211.4	224.1	246.6	295.9	360.8	431.2	494.6	562.2	604.5	628.5	642.5
60°	160.7	170.5	194.5	232.5	291.7	352.3	405.8	456.6	490.4	510.1	524.2
62.5°	121.2	132.5	149.3	181.8	226.8	276.2	321.3	359.3	387.5	400.2	410.1
65°	83.1	91.6	104.3	129.6	167.7	202.9	238.1	266.3	284.7	298.8	304.4
67.5°	62.0	67.6	74.7	94.4	121.2	149.3	173.3	193.0	212.8	218.4	228.3
70°	46.5	50.7	57.8	71.9	87.3	107.1	126.8	138.1	152.2	162.1	164.9
72.5°	29.6	31.0	38.0	46.5	59.2	71.9	84.6	94.4	102.9	108.5	111.3
75°	16.9	25.3	25.3	33.8	42.3	47.9	56.4	63.4	67.6	71.9	71.9
77.5°	11.3	15.5	16.9	21.1	25.3	32.4	39.4	43.7	47.9	49.3	49.3
80°	9.9	11.3	11.3	15.5	18.3	24.0	28.2	29.6	32.4	33.8	36.7
82.5°	4.2	5.6	7.0	11.3	12.7	12.7	16.9	18.3	21.1	22.6	22.6
85°	1.4	2.8	2.8	4.2	7.0	8.5	9.9	11.3	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: P245003

CATALOG NUMBER: LD8B50D010 ER8B50940 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8	2885.8
2.5°	2860.5	2861.9	2856.2	2854.9	2852.0	2853.4	2856.2
5°	2808.3	2809.7	2804.1	2798.5	2798.5	2797.0	2798.5
7.5°	2759.0	2760.4	2752.0	2749.1	2743.5	2744.9	2744.9
10°	2709.7	2709.7	2697.0	2695.6	2691.3	2690.0	2690.0
12.5°	2661.8	2657.5	2647.7	2642.0	2644.9	2636.4	2636.4
15°	2619.5	2612.5	2599.8	2595.5	2588.5	2585.7	2585.7
17.5°	2575.8	2570.2	2558.9	2550.5	2542.0	2540.6	2542.0
20°	2533.5	2527.9	2513.8	2508.2	2501.2	2501.2	2498.3
22.5°	2491.3	2485.6	2473.0	2468.7	2458.9	2458.9	2460.3
25°	2447.6	2443.3	2429.2	2426.5	2425.1	2419.4	2422.2
27.5°	2388.4	2385.6	2374.3	2370.1	2364.5	2363.1	2365.9
30°	2279.9	2275.7	2267.3	2263.0	2253.2	2254.6	2257.3
32.5°	2144.6	2139.0	2127.7	2123.5	2115.1	2112.2	2113.6
35°	1975.6	1971.3	1961.5	1961.5	1953.0	1950.2	1953.0
37.5°	1803.7	1807.8	1803.7	1807.8	1803.7	1802.2	1803.7
40°	1641.6	1657.1	1659.9	1675.4	1669.8	1678.2	1676.8
42.5°	1486.6	1511.9	1521.8	1534.5	1531.7	1537.3	1541.6
45°	1330.2	1351.3	1361.2	1369.7	1371.0	1373.9	1375.3
47.5°	1182.2	1199.1	1200.5	1210.4	1209.0	1209.0	1213.2
50°	1044.2	1055.4	1058.2	1065.3	1059.7	1056.8	1058.2
52.5°	915.9	927.2	924.3	927.2	920.2	917.3	918.7
55°	784.8	790.5	790.5	790.5	782.1	782.1	782.1
57.5°	651.0	652.4	649.6	651.0	649.6	641.1	639.7
60°	528.4	528.4	527.0	528.4	524.2	520.0	520.0
62.5°	412.8	415.7	421.3	415.7	412.8	415.7	411.4
65°	308.6	314.2	312.8	315.6	314.2	314.2	311.4
67.5°	232.5	233.9	235.3	236.8	236.8	236.8	236.8
70°	170.5	174.8	173.3	173.3	173.3	173.3	181.8
72.5°	114.1	119.8	118.4	121.2	121.2	124.0	121.2
75°	77.5	83.1	80.3	84.6	83.1	80.3	87.3
77.5°	52.1	55.0	56.4	57.8	56.4	55.0	56.4
80°	36.7	39.4	38.0	39.4	39.4	39.4	40.9
82.5°	22.6	26.8	25.3	26.8	25.3	26.8	26.8
85°	15.5	16.9	14.1	16.9	15.5	15.5	18.3
87.5°	9.9	8.5	8.5	9.9	8.5	9.9	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)