

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: P244955

Luminaire Tested: **LD8B50D010 ER8B50827 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244955
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 ER8B50827 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5120.0 lumens
Efficiency: N/A
Efficacy: 96.6 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

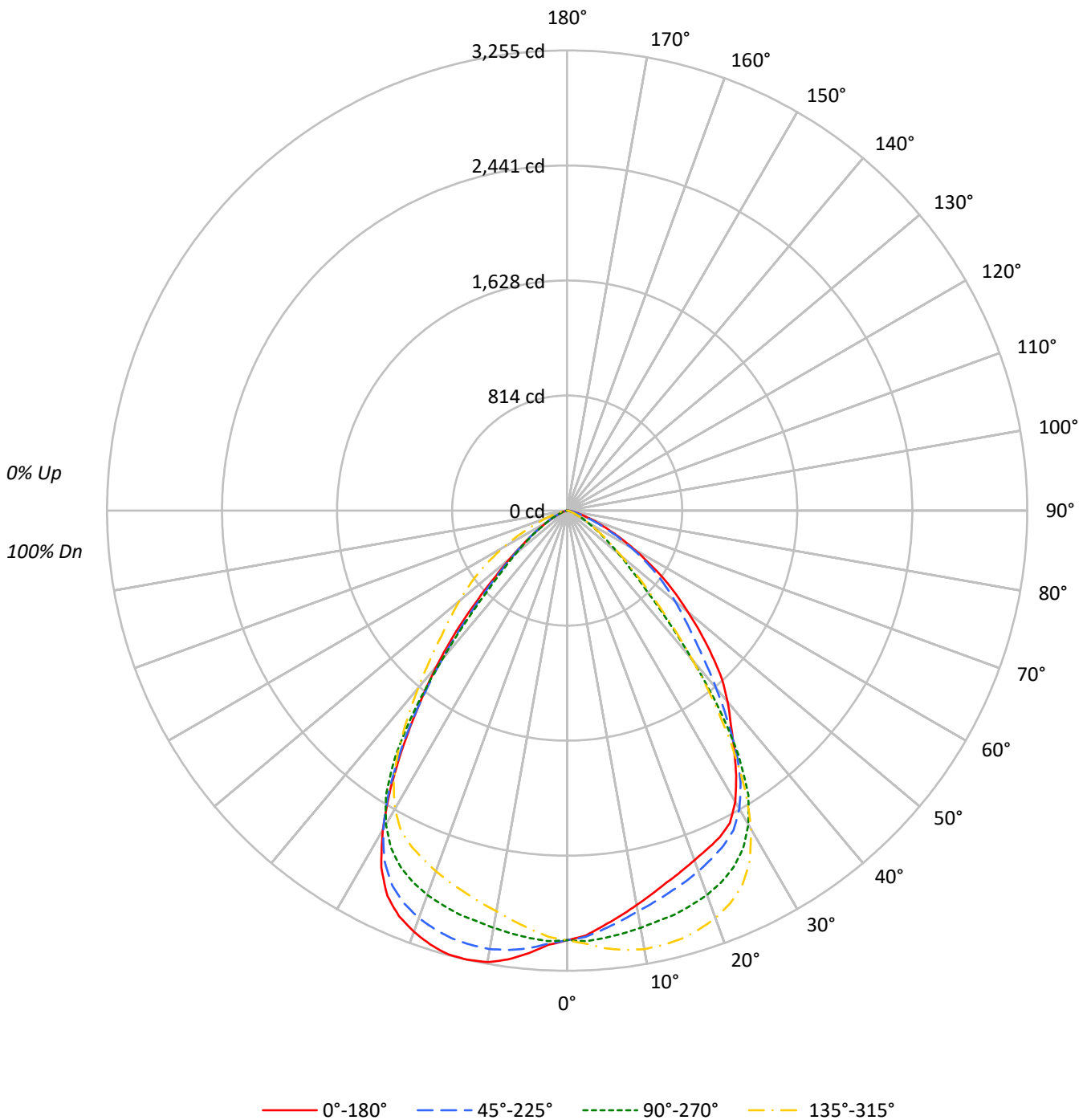
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	93730	93730	93730	93730
5°	91240	93949	97304	93949
10°	88716	93826	101542	93826
15°	86942	94384	103763	94384
20°	86350	94925	104031	94925
25°	86806	94733	102358	94733
30°	84659	91264	92905	91264
35°	77438	79614	75537	79614
40°	71097	55381	57833	55381
45°	63172	33784	39091	33784
50°	53470	22571	25061	22571
55°	44283	15397	16279	15397
60°	33778	10250	10342	10250
65°	23932	6384	5844	6384
70°	17266	4283	3886	4283
75°	10961	2121	1763	2121
80°	7654	1580	1314	1580
85°	6828	0	531	0



TEST NUMBER: P244955

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBSW0WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.3	5.7
10°-20°	837.8	16.4
20°-30°	1268.6	24.8
30°-40°	1271.4	24.8
40°-50°	798.4	15.6
50°-60°	425.5	8.3
60°-70°	175.0	3.4
70°-80°	46.2	0.9
80°-90°	7.8	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°	2395.7	46.8
0°-40°	3667.1	71.6
0°-60°	4891.0	95.5
0°-90°	5120.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5120.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3040	3040	3040	3040	3040	
5°	2948	3035	3144	3035	2948	278
15°	2723	2956	3250	2956	2723	770
25°	2551	2784	3008	2784	2551	1170
35°	2057	2115	2007	2115	2057	1289
45°	1449	775	896	775	1449	1114
55°	824	286	303	286	824	734
65°	328	88	80	88	328	340
75°	92	18	15	18	92	104
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°	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6
2.5°	3008.4	3005.4	3004.0	3007.0	3008.4	3014.4	3012.9	3015.8	3015.8	3017.3	3020.3
5°	2947.6	2946.1	2947.6	2947.6	2953.5	2959.4	2958.0	2962.4	2965.4	2972.8	2975.7
7.5°	2891.2	2891.2	2889.7	2895.6	2898.6	2907.5	2906.0	2913.4	2917.9	2925.3	2935.7
10°	2833.3	2833.3	2834.7	2839.2	2840.7	2854.1	2854.1	2864.4	2870.4	2877.8	2891.2
12.5°	2776.9	2776.9	2785.8	2782.8	2788.7	2799.1	2803.6	2814.0	2822.9	2837.7	2851.1
15°	2723.4	2723.4	2726.4	2733.8	2738.3	2751.7	2759.1	2771.0	2781.4	2796.2	2815.5
17.5°	2677.4	2676.0	2677.4	2686.4	2695.3	2707.1	2713.1	2727.9	2738.3	2757.6	2775.4
20°	2631.4	2634.4	2634.4	2641.8	2647.8	2662.6	2668.5	2684.9	2696.7	2714.5	2735.4
22.5°	2591.4	2589.9	2589.9	2600.3	2604.7	2618.1	2624.0	2638.8	2652.2	2667.1	2686.4
25°	2551.3	2548.3	2554.3	2555.8	2558.7	2573.5	2578.0	2588.4	2601.8	2615.1	2634.4
27.5°	2491.9	2489.0	2490.4	2496.4	2500.8	2512.7	2515.7	2526.1	2536.4	2548.3	2564.7
30°	2377.6	2374.7	2373.2	2383.6	2388.1	2396.9	2401.4	2419.2	2422.1	2435.5	2447.4
32.5°	2226.2	2224.8	2227.8	2236.6	2241.1	2253.0	2258.9	2269.3	2276.7	2284.1	2296.0
35°	2057.1	2054.1	2057.1	2066.0	2066.0	2076.4	2080.8	2085.2	2083.8	2085.2	2082.3
37.5°	1899.8	1898.2	1899.8	1904.2	1899.8	1904.2	1899.8	1890.9	1874.5	1856.7	1838.9
40°	1766.2	1767.6	1758.8	1764.7	1748.3	1745.4	1729.1	1706.8	1674.2	1638.5	1588.1
42.5°	1623.7	1619.2	1613.3	1616.3	1602.9	1592.5	1565.8	1537.6	1496.0	1436.7	1375.8
45°	1448.6	1447.1	1444.1	1442.6	1433.7	1423.3	1401.0	1368.4	1322.4	1261.6	1188.8
47.5°	1277.9	1273.4	1273.4	1274.9	1264.5	1263.0	1245.2	1217.0	1177.0	1117.6	1041.9
50°	1114.6	1113.1	1116.1	1122.0	1114.6	1111.7	1099.8	1080.5	1044.9	994.4	923.1
52.5°	967.7	966.2	969.2	976.6	973.6	976.6	964.7	949.9	926.1	877.1	814.8
55°	823.7	823.7	823.7	832.6	832.6	832.6	826.7	817.8	795.5	759.9	702.0
57.5°	673.8	675.3	684.2	685.7	684.2	687.2	685.7	676.8	662.0	636.7	592.2
60°	547.7	547.7	552.1	556.6	555.1	556.6	556.6	552.1	537.3	516.5	480.9
62.5°	433.4	437.8	434.8	437.8	443.8	437.8	434.8	431.9	421.5	408.1	378.5
65°	328.0	331.0	331.0	332.5	329.5	331.0	325.1	320.6	314.7	299.8	280.5
67.5°	249.4	249.4	249.4	249.4	247.8	246.4	244.9	240.4	230.1	224.1	203.3
70°	191.5	182.5	182.5	182.5	182.5	184.1	179.6	173.7	170.7	160.3	145.5
72.5°	127.6	130.6	127.6	127.6	124.7	126.2	120.2	117.2	114.3	108.4	99.5
75°	92.0	84.6	87.5	89.1	84.6	87.5	81.6	75.7	75.7	71.2	66.8
77.5°	59.4	57.9	59.4	60.8	59.4	57.9	54.9	51.9	51.9	50.5	46.0
80°	43.1	41.5	41.5	41.5	40.1	41.5	38.6	38.6	35.6	34.1	31.2
82.5°	28.2	28.2	26.7	28.2	26.7	28.2	23.8	23.8	23.8	22.2	19.3
85°	19.3	16.3	16.3	17.8	14.8	17.8	16.3	14.8	13.4	13.4	11.9
87.5°	8.9	10.4	8.9	10.4	8.9	8.9	10.4	8.9	8.9	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



TEST NUMBER: P244955

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6
2.5°	3024.7	3026.2	3026.2	3032.2	3035.1	3036.6	3036.6	3048.5	3044.0	3047.0	3050.0
5°	2981.7	2990.6	2993.6	2993.6	3009.9	3015.8	3021.7	3035.1	3036.6	3045.5	3055.9
7.5°	2940.1	2950.5	2956.5	2969.8	2980.2	2990.6	3008.4	3017.3	3026.2	3038.1	3051.4
10°	2900.1	2912.0	2923.8	2934.2	2950.5	2963.9	2975.7	2996.5	3007.0	3023.3	3041.0
12.5°	2861.5	2877.8	2888.2	2906.0	2923.8	2935.7	2953.5	2972.8	2989.1	3005.4	3026.2
15°	2827.4	2846.7	2858.5	2877.8	2897.1	2913.4	2932.7	2956.5	2968.4	2987.7	3007.0
17.5°	2790.2	2811.0	2825.9	2843.7	2867.4	2885.2	2901.6	2925.3	2940.1	2960.9	2983.2
20°	2751.7	2772.4	2790.2	2808.1	2831.8	2849.6	2868.9	2892.7	2909.0	2929.7	2947.6
22.5°	2705.7	2725.0	2744.2	2765.0	2788.7	2803.6	2825.9	2846.7	2864.4	2883.7	2901.6
25°	2646.3	2670.0	2684.9	2704.1	2723.4	2739.8	2763.5	2784.3	2799.1	2817.0	2833.3
27.5°	2576.5	2594.4	2606.2	2622.5	2641.8	2656.7	2674.4	2695.3	2710.1	2726.4	2738.3
30°	2457.8	2474.1	2484.5	2496.4	2515.7	2529.1	2543.9	2563.1	2573.5	2585.4	2595.8
32.5°	2301.9	2315.3	2321.2	2330.1	2343.5	2356.8	2368.8	2385.1	2389.5	2396.9	2396.9
35°	2076.4	2079.3	2077.8	2080.8	2086.8	2094.2	2104.5	2114.9	2120.9	2120.9	2116.5
37.5°	1812.2	1794.4	1775.1	1760.2	1755.8	1752.8	1758.8	1763.2	1769.2	1772.1	1764.7
40°	1537.6	1497.6	1454.5	1415.9	1389.2	1377.3	1372.9	1375.8	1375.8	1386.2	1386.2
42.5°	1301.6	1239.3	1175.5	1117.6	1079.0	1049.3	1036.0	1036.0	1037.4	1044.9	1049.3
45°	1105.7	1027.0	952.8	889.0	835.6	797.0	779.2	774.7	773.3	776.2	786.6
47.5°	955.8	874.2	797.0	718.4	662.0	623.4	607.0	601.1	595.1	601.1	602.6
50°	838.6	754.0	672.4	593.7	534.3	500.1	479.4	470.5	469.0	469.0	472.0
52.5°	731.7	653.0	571.4	491.3	428.9	396.3	377.0	372.5	366.6	372.5	372.5
55°	630.8	552.1	472.0	396.3	344.3	310.2	292.4	286.4	283.5	287.9	287.9
57.5°	521.0	454.1	380.0	311.7	259.8	236.0	222.6	215.2	213.7	216.7	213.7
60°	427.4	371.1	307.2	244.9	204.8	179.6	169.2	166.2	163.2	166.2	166.2
62.5°	338.4	290.9	238.9	191.5	157.3	139.5	127.6	127.6	126.2	126.2	127.6
65°	250.8	213.7	176.6	136.5	109.8	96.5	87.5	87.5	86.1	87.5	86.1
67.5°	182.5	157.3	127.6	99.5	78.7	71.2	65.3	60.8	63.8	60.8	59.4
70°	133.6	112.8	92.0	75.7	60.8	53.5	49.0	47.5	44.5	44.5	44.5
72.5°	89.1	75.7	62.3	49.0	40.1	32.6	31.2	28.2	25.2	26.7	29.7
75°	59.4	50.5	44.5	35.6	26.7	26.7	17.8	17.8	14.8	17.8	13.4
77.5°	41.5	34.1	26.7	22.2	17.8	16.3	11.9	11.9	10.4	10.4	10.4
80°	29.7	25.2	19.3	16.3	11.9	11.9	10.4	8.9	7.4	7.4	8.9
82.5°	17.8	13.4	13.4	11.9	7.4	5.9	4.5	5.9	3.0	3.0	3.0
85°	10.4	8.9	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



TEST NUMBER: P244955

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6
2.5°	3057.4	3055.9	3058.9	3058.9	3067.8	3066.3	3070.7	3070.7	3067.8	3069.3	3075.2
5°	3067.8	3072.3	3081.1	3088.6	3101.9	3107.9	3115.3	3122.7	3124.2	3128.7	3133.1
7.5°	3067.8	3082.7	3093.0	3106.4	3124.2	3134.6	3150.9	3164.3	3170.2	3177.6	3186.5
10°	3061.8	3076.7	3096.0	3110.8	3133.1	3149.4	3165.7	3186.5	3195.4	3207.3	3219.2
12.5°	3050.0	3066.3	3087.0	3106.4	3131.6	3146.4	3167.2	3186.5	3199.9	3216.2	3229.6
15°	3032.2	3051.4	3070.7	3090.0	3116.7	3134.6	3153.9	3176.1	3189.5	3207.3	3219.2
17.5°	3004.0	3024.7	3042.6	3060.4	3085.6	3106.4	3124.2	3145.0	3158.3	3173.2	3189.5
20°	2969.8	2989.1	3008.4	3023.3	3048.5	3066.3	3085.6	3104.9	3115.3	3118.3	3143.5
22.5°	2926.8	2940.1	2955.0	2978.7	2993.6	3009.9	3027.7	3045.5	3055.9	3072.3	3081.1
25°	2855.5	2868.9	2885.2	2895.6	2913.4	2926.8	2944.6	2963.9	2969.8	2981.7	2990.6
27.5°	2756.1	2763.5	2771.0	2779.8	2790.2	2797.7	2808.1	2817.0	2822.9	2828.8	2834.7
30°	2598.8	2598.8	2598.8	2592.8	2597.3	2601.8	2603.2	2601.8	2601.8	2600.3	2600.3
32.5°	2391.0	2379.1	2365.8	2353.9	2349.5	2343.5	2340.5	2336.1	2328.7	2324.2	2325.7
35°	2110.5	2083.8	2067.5	2052.6	2040.8	2031.8	2027.4	2022.9	2021.5	2015.5	2009.5
37.5°	1760.2	1740.9	1729.1	1720.2	1709.8	1700.9	1702.3	1703.9	1708.3	1705.3	1706.8
40°	1389.2	1384.7	1389.2	1378.8	1375.8	1378.8	1386.2	1396.6	1402.6	1408.5	1418.9
42.5°	1056.7	1064.1	1074.6	1074.6	1079.0	1085.0	1093.8	1110.2	1119.0	1129.4	1141.3
45°	795.5	804.4	817.8	822.2	825.2	832.6	843.0	856.4	862.3	871.2	881.6
47.5°	613.0	618.9	626.3	633.7	641.1	644.1	654.5	654.5	662.0	667.9	670.8
50°	477.9	483.8	489.8	494.2	497.2	501.7	504.6	509.1	510.5	513.5	515.0
52.5°	374.0	381.4	381.4	384.4	388.8	393.3	391.8	393.3	394.8	394.8	399.2
55°	292.4	292.4	296.8	296.8	299.8	298.3	299.8	299.8	299.8	299.8	301.3
57.5°	218.2	219.7	224.1	221.1	219.7	222.6	219.7	222.6	221.1	224.1	219.7
60°	167.7	167.7	169.2	169.2	170.7	170.7	170.7	169.2	169.2	167.7	167.7
62.5°	126.2	127.6	129.1	127.6	127.6	127.6	126.2	126.2	124.7	123.2	123.2
65°	84.6	83.1	86.1	83.1	84.6	84.6	83.1	84.6	80.1	81.6	80.1
67.5°	60.8	59.4	57.9	59.4	57.9	56.4	56.4	57.9	59.4	54.9	54.9
70°	40.1	41.5	40.1	41.5	43.1	43.1	41.5	40.1	41.5	38.6	40.1
72.5°	25.2	25.2	25.2	25.2	25.2	26.7	26.7	26.7	23.8	23.8	22.2
75°	11.9	16.3	13.4	11.9	16.3	16.3	14.8	14.8	13.4	13.4	13.4
77.5°	11.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	7.4	8.9	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: P244955

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6
2.5°	3073.7	3072.3	3073.7	3075.2	3073.7	3072.3	3073.7	3075.2	3069.3	3067.8	3070.7
5°	3139.0	3139.0	3142.0	3143.5	3142.0	3139.0	3139.0	3133.1	3128.7	3124.2	3122.7
7.5°	3195.4	3198.4	3201.3	3202.8	3201.3	3198.4	3195.4	3186.5	3177.6	3170.2	3164.3
10°	3229.6	3234.0	3240.0	3242.9	3240.0	3234.0	3229.6	3219.2	3207.3	3195.4	3186.5
12.5°	3244.4	3248.9	3256.3	3254.8	3256.3	3248.9	3244.4	3229.6	3216.2	3199.9	3186.5
15°	3234.0	3240.0	3247.3	3250.3	3247.3	3240.0	3234.0	3219.2	3207.3	3189.5	3176.1
17.5°	3201.3	3210.3	3214.7	3219.2	3214.7	3210.3	3201.3	3189.5	3173.2	3158.3	3145.0
20°	3156.8	3162.8	3168.7	3170.2	3168.7	3162.8	3156.8	3143.5	3118.3	3115.3	3104.9
22.5°	3093.0	3097.5	3110.8	3106.4	3110.8	3097.5	3093.0	3081.1	3072.3	3055.9	3045.5
25°	3001.0	3005.4	3007.0	3008.4	3007.0	3005.4	3001.0	2990.6	2981.7	2969.8	2963.9
27.5°	2842.2	2842.2	2845.1	2846.7	2845.1	2842.2	2842.2	2834.7	2828.8	2822.9	2817.0
30°	2601.8	2601.8	2601.8	2609.2	2601.8	2601.8	2601.8	2600.3	2600.3	2601.8	2601.8
32.5°	2324.2	2321.2	2318.3	2321.2	2318.3	2321.2	2324.2	2325.7	2324.2	2328.7	2336.1
35°	2009.5	2008.1	2012.5	2006.6	2012.5	2008.1	2009.5	2009.5	2015.5	2021.5	2022.9
37.5°	1708.3	1705.3	1711.2	1705.3	1711.2	1705.3	1708.3	1706.8	1705.3	1708.3	1703.9
40°	1421.9	1424.8	1424.8	1436.7	1424.8	1424.8	1421.9	1418.9	1408.5	1402.6	1396.6
42.5°	1147.3	1156.2	1153.2	1162.1	1153.2	1156.2	1147.3	1141.3	1129.4	1119.0	1110.2
45°	887.5	893.5	893.5	896.4	893.5	893.5	887.5	881.6	871.2	862.3	856.4
47.5°	681.2	681.2	681.2	682.7	681.2	681.2	681.2	670.8	667.9	662.0	654.5
50°	518.0	519.4	521.0	522.4	521.0	519.4	518.0	515.0	513.5	510.5	509.1
52.5°	397.8	399.2	396.3	399.2	396.3	399.2	397.8	399.2	394.8	394.8	393.3
55°	301.3	299.8	301.3	302.8	301.3	299.8	301.3	301.3	299.8	299.8	299.8
57.5°	221.1	218.2	218.2	218.2	218.2	218.2	221.1	219.7	224.1	221.1	222.6
60°	164.8	166.2	166.2	167.7	166.2	166.2	164.8	167.7	167.7	169.2	169.2
62.5°	121.7	126.2	123.2	126.2	123.2	126.2	121.7	123.2	123.2	124.7	126.2
65°	78.7	78.7	78.7	80.1	78.7	78.7	78.7	80.1	81.6	80.1	84.6
67.5°	53.5	54.9	57.9	56.4	57.9	54.9	53.5	54.9	54.9	59.4	57.9
70°	43.1	38.6	38.6	43.1	38.6	38.6	43.1	40.1	38.6	41.5	40.1
72.5°	25.2	22.2	25.2	25.2	25.2	22.2	25.2	22.2	23.8	23.8	26.7
75°	13.4	11.9	10.4	14.8	10.4	11.9	13.4	13.4	13.4	13.4	14.8
77.5°	8.9	7.4	10.4	10.4	10.4	7.4	8.9	7.4	8.9	7.4	8.9
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: P244955

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6
2.5°	3070.7	3066.3	3067.8	3058.9	3058.9	3055.9	3057.4	3050.0	3047.0	3044.0	3048.5
5°	3115.3	3107.9	3101.9	3088.6	3081.1	3072.3	3067.8	3055.9	3045.5	3036.6	3035.1
7.5°	3150.9	3134.6	3124.2	3106.4	3093.0	3082.7	3067.8	3051.4	3038.1	3026.2	3017.3
10°	3165.7	3149.4	3133.1	3110.8	3096.0	3076.7	3061.8	3041.0	3023.3	3007.0	2996.5
12.5°	3167.2	3146.4	3131.6	3106.4	3087.0	3066.3	3050.0	3026.2	3005.4	2989.1	2972.8
15°	3153.9	3134.6	3116.7	3090.0	3070.7	3051.4	3032.2	3007.0	2987.7	2968.4	2956.5
17.5°	3124.2	3106.4	3085.6	3060.4	3042.6	3024.7	3004.0	2983.2	2960.9	2940.1	2925.3
20°	3085.6	3066.3	3048.5	3023.3	3008.4	2989.1	2969.8	2947.6	2929.7	2909.0	2892.7
22.5°	3027.7	3009.9	2993.6	2978.7	2955.0	2940.1	2926.8	2901.6	2883.7	2864.4	2846.7
25°	2944.6	2926.8	2913.4	2895.6	2885.2	2868.9	2855.5	2833.3	2817.0	2799.1	2784.3
27.5°	2808.1	2797.7	2790.2	2779.8	2771.0	2763.5	2756.1	2738.3	2726.4	2710.1	2695.3
30°	2603.2	2601.8	2597.3	2592.8	2598.8	2598.8	2598.8	2595.8	2585.4	2573.5	2563.1
32.5°	2340.5	2343.5	2349.5	2353.9	2365.8	2379.1	2391.0	2396.9	2396.9	2389.5	2385.1
35°	2027.4	2031.8	2040.8	2052.6	2067.5	2083.8	2110.5	2116.5	2120.9	2120.9	2114.9
37.5°	1702.3	1700.9	1709.8	1720.2	1729.1	1740.9	1760.2	1764.7	1772.1	1769.2	1763.2
40°	1386.2	1378.8	1375.8	1378.8	1389.2	1384.7	1389.2	1386.2	1386.2	1375.8	1375.8
42.5°	1093.8	1085.0	1079.0	1074.6	1074.6	1064.1	1056.7	1049.3	1044.9	1037.4	1036.0
45°	843.0	832.6	825.2	822.2	817.8	804.4	795.5	786.6	776.2	773.3	774.7
47.5°	654.5	644.1	641.1	633.7	626.3	618.9	613.0	602.6	601.1	595.1	601.1
50°	504.6	501.7	497.2	494.2	489.8	483.8	477.9	472.0	469.0	469.0	470.5
52.5°	391.8	393.3	388.8	384.4	381.4	381.4	374.0	372.5	372.5	366.6	372.5
55°	299.8	298.3	299.8	296.8	296.8	292.4	292.4	287.9	287.9	283.5	286.4
57.5°	219.7	222.6	219.7	221.1	224.1	219.7	218.2	213.7	216.7	213.7	215.2
60°	170.7	170.7	170.7	169.2	169.2	167.7	167.7	166.2	166.2	163.2	166.2
62.5°	126.2	127.6	127.6	127.6	129.1	127.6	126.2	127.6	126.2	126.2	127.6
65°	83.1	84.6	84.6	83.1	86.1	83.1	84.6	86.1	87.5	86.1	87.5
67.5°	56.4	56.4	57.9	59.4	57.9	59.4	60.8	59.4	60.8	63.8	60.8
70°	41.5	43.1	43.1	41.5	40.1	41.5	40.1	44.5	44.5	44.5	47.5
72.5°	26.7	26.7	25.2	25.2	25.2	25.2	25.2	29.7	26.7	25.2	28.2
75°	14.8	16.3	16.3	11.9	13.4	16.3	11.9	13.4	17.8	14.8	17.8
77.5°	8.9	8.9	8.9	8.9	8.9	8.9	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	8.9	7.4	7.4	8.9
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: P244955

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6
2.5°	3036.6	3036.6	3035.1	3032.2	3026.2	3026.2	3024.7	3020.3	3017.3	3015.8	3015.8
5°	3021.7	3015.8	3009.9	2993.6	2993.6	2990.6	2981.7	2975.7	2972.8	2965.4	2962.4
7.5°	3008.4	2990.6	2980.2	2969.8	2956.5	2950.5	2940.1	2935.7	2925.3	2917.9	2913.4
10°	2975.7	2963.9	2950.5	2934.2	2923.8	2912.0	2900.1	2891.2	2877.8	2870.4	2864.4
12.5°	2953.5	2935.7	2923.8	2906.0	2888.2	2877.8	2861.5	2851.1	2837.7	2822.9	2814.0
15°	2932.7	2913.4	2897.1	2877.8	2858.5	2846.7	2827.4	2815.5	2796.2	2781.4	2771.0
17.5°	2901.6	2885.2	2867.4	2843.7	2825.9	2811.0	2790.2	2775.4	2757.6	2738.3	2727.9
20°	2868.9	2849.6	2831.8	2808.1	2790.2	2772.4	2751.7	2735.4	2714.5	2696.7	2684.9
22.5°	2825.9	2803.6	2788.7	2765.0	2744.2	2725.0	2705.7	2686.4	2667.1	2652.2	2638.8
25°	2763.5	2739.8	2723.4	2704.1	2684.9	2670.0	2646.3	2634.4	2615.1	2601.8	2588.4
27.5°	2674.4	2656.7	2641.8	2622.5	2606.2	2594.4	2576.5	2564.7	2548.3	2536.4	2526.1
30°	2543.9	2529.1	2515.7	2496.4	2484.5	2474.1	2457.8	2447.4	2435.5	2422.1	2419.2
32.5°	2368.8	2356.8	2343.5	2330.1	2321.2	2315.3	2301.9	2296.0	2284.1	2276.7	2269.3
35°	2104.5	2094.2	2086.8	2080.8	2077.8	2079.3	2076.4	2082.3	2085.2	2083.8	2085.2
37.5°	1758.8	1752.8	1755.8	1760.2	1775.1	1794.4	1812.2	1838.9	1856.7	1874.5	1890.9
40°	1372.9	1377.3	1389.2	1415.9	1454.5	1497.6	1537.6	1588.1	1638.5	1674.2	1706.8
42.5°	1036.0	1049.3	1079.0	1117.6	1175.5	1239.3	1301.6	1375.8	1436.7	1496.0	1537.6
45°	779.2	797.0	835.6	889.0	952.8	1027.0	1105.7	1188.8	1261.6	1322.4	1368.4
47.5°	607.0	623.4	662.0	718.4	797.0	874.2	955.8	1041.9	1117.6	1177.0	1217.0
50°	479.4	500.1	534.3	593.7	672.4	754.0	838.6	923.1	994.4	1044.9	1080.5
52.5°	377.0	396.3	428.9	491.3	571.4	653.0	731.7	814.8	877.1	926.1	949.9
55°	292.4	310.2	344.3	396.3	472.0	552.1	630.8	702.0	759.9	795.5	817.8
57.5°	222.6	236.0	259.8	311.7	380.0	454.1	521.0	592.2	636.7	662.0	676.8
60°	169.2	179.6	204.8	244.9	307.2	371.1	427.4	480.9	516.5	537.3	552.1
62.5°	127.6	139.5	157.3	191.5	238.9	290.9	338.4	378.5	408.1	421.5	431.9
65°	87.5	96.5	109.8	136.5	176.6	213.7	250.8	280.5	299.8	314.7	320.6
67.5°	65.3	71.2	78.7	99.5	127.6	157.3	182.5	203.3	224.1	230.1	240.4
70°	49.0	53.5	60.8	75.7	92.0	112.8	133.6	145.5	160.3	170.7	173.7
72.5°	31.2	32.6	40.1	49.0	62.3	75.7	89.1	99.5	108.4	114.3	117.2
75°	17.8	26.7	26.7	35.6	44.5	50.5	59.4	66.8	71.2	75.7	75.7
77.5°	11.9	16.3	17.8	22.2	26.7	34.1	41.5	46.0	50.5	51.9	51.9
80°	10.4	11.9	11.9	16.3	19.3	25.2	29.7	31.2	34.1	35.6	38.6
82.5°	4.5	5.9	7.4	11.9	13.4	13.4	17.8	19.3	22.2	23.8	23.8
85°	1.5	3.0	3.0	4.5	7.4	8.9	10.4	11.9	13.4	13.4	14.8
87.5°	1.5	1.5	0.0	1.5	3.0	3.0	5.9	5.9	5.9	8.9	8.9
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: P244955

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6
2.5°	3012.9	3014.4	3008.4	3007.0	3004.0	3005.4	3008.4
5°	2958.0	2959.4	2953.5	2947.6	2947.6	2946.1	2947.6
7.5°	2906.0	2907.5	2898.6	2895.6	2889.7	2891.2	2891.2
10°	2854.1	2854.1	2840.7	2839.2	2834.7	2833.3	2833.3
12.5°	2803.6	2799.1	2788.7	2782.8	2785.8	2776.9	2776.9
15°	2759.1	2751.7	2738.3	2733.8	2726.4	2723.4	2723.4
17.5°	2713.1	2707.1	2695.3	2686.4	2677.4	2676.0	2677.4
20°	2668.5	2662.6	2647.8	2641.8	2634.4	2634.4	2631.4
22.5°	2624.0	2618.1	2604.7	2600.3	2589.9	2589.9	2591.4
25°	2578.0	2573.5	2558.7	2555.8	2554.3	2548.3	2551.3
27.5°	2515.7	2512.7	2500.8	2496.4	2490.4	2489.0	2491.9
30°	2401.4	2396.9	2388.1	2383.6	2373.2	2374.7	2377.6
32.5°	2258.9	2253.0	2241.1	2236.6	2227.8	2224.8	2226.2
35°	2080.8	2076.4	2066.0	2066.0	2057.1	2054.1	2057.1
37.5°	1899.8	1904.2	1899.8	1904.2	1899.8	1898.2	1899.8
40°	1729.1	1745.4	1748.3	1764.7	1758.8	1767.6	1766.2
42.5°	1565.8	1592.5	1602.9	1616.3	1613.3	1619.2	1623.7
45°	1401.0	1423.3	1433.7	1442.6	1444.1	1447.1	1448.6
47.5°	1245.2	1263.0	1264.5	1274.9	1273.4	1273.4	1277.9
50°	1099.8	1111.7	1114.6	1122.0	1116.1	1113.1	1114.6
52.5°	964.7	976.6	973.6	976.6	969.2	966.2	967.7
55°	826.7	832.6	832.6	832.6	823.7	823.7	823.7
57.5°	685.7	687.2	684.2	685.7	684.2	675.3	673.8
60°	556.6	556.6	555.1	556.6	552.1	547.7	547.7
62.5°	434.8	437.8	443.8	437.8	434.8	437.8	433.4
65°	325.1	331.0	329.5	332.5	331.0	331.0	328.0
67.5°	244.9	246.4	247.8	249.4	249.4	249.4	249.4
70°	179.6	184.1	182.5	182.5	182.5	182.5	191.5
72.5°	120.2	126.2	124.7	127.6	127.6	130.6	127.6
75°	81.6	87.5	84.6	89.1	87.5	84.6	92.0
77.5°	54.9	57.9	59.4	60.8	59.4	57.9	59.4
80°	38.6	41.5	40.1	41.5	41.5	41.5	43.1
82.5°	23.8	28.2	26.7	28.2	26.7	28.2	28.2
85°	16.3	17.8	14.8	17.8	16.3	16.3	19.3
87.5°	10.4	8.9	8.9	10.4	8.9	10.4	8.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)