

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: P248633

Luminaire Tested: **LD8B70D010 ER8B709727 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248633  
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: LD8B70D010 ER8B709727 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5243.0 lumens  
Efficiency: N/A  
Efficacy: 69.1 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

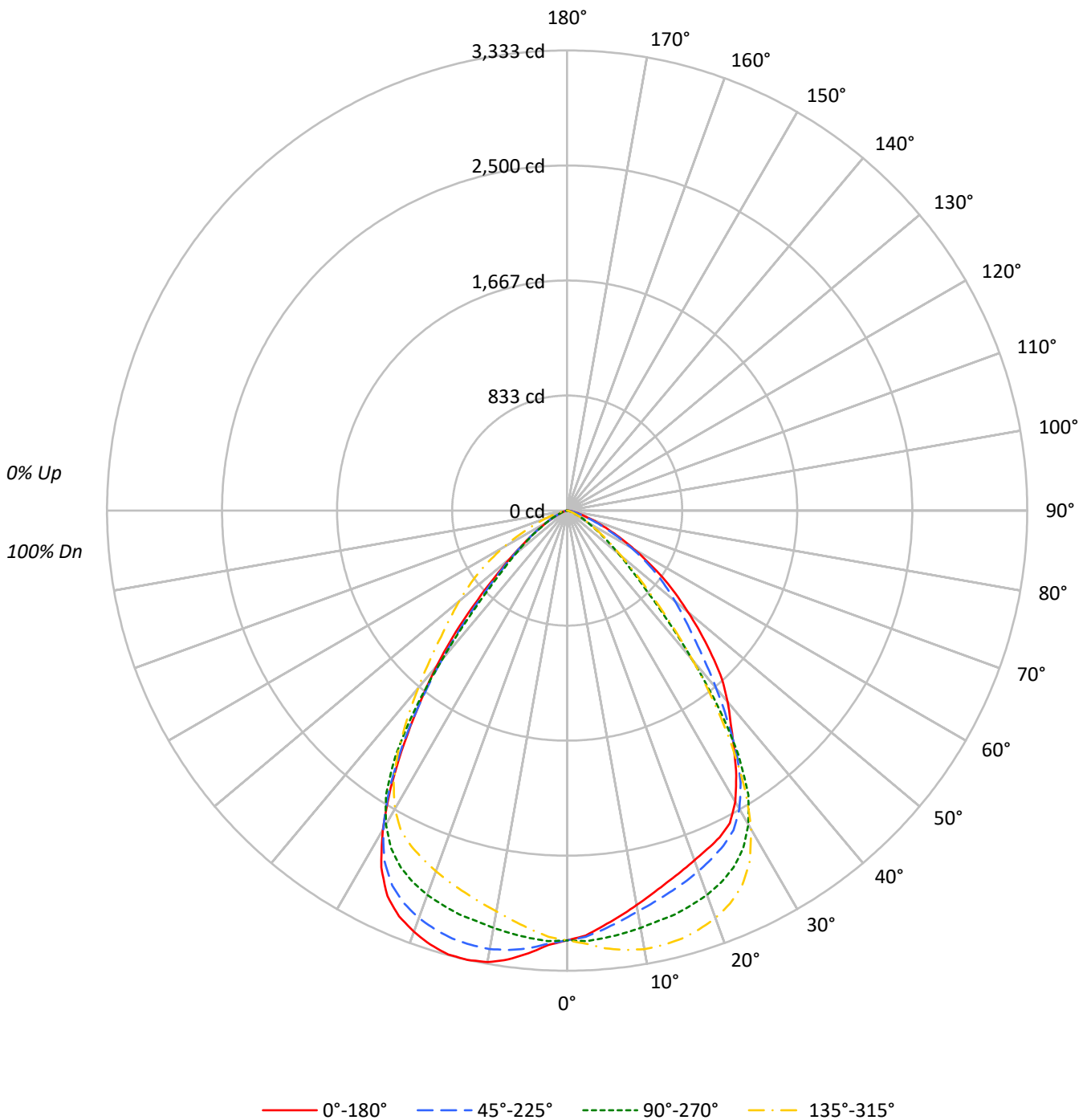
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	296.3	5.7
10°-20°	857.9	16.4
20°-30°	1299.1	24.8
30°-40°	1302.0	24.8
40°-50°	817.6	15.6
50°-60°	435.7	8.3
60°-70°	179.2	3.4
70°-80°	47.3	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°	2453.2	46.8
0°-40°	3755.2	71.6
0°-60°	5008.5	95.5
0°-90°	5243.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5243.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3113	3113	3113	3113	3113	
5°	3018	3108	3219	3108	3018	285
15°	2789	3028	3328	3028	2789	789
25°	2613	2851	3081	2851	2613	1198
35°	2106	2166	2055	2166	2106	1320
45°	1483	793	918	793	1483	1141
55°	844	293	310	293	844	752
65°	336	90	82	90	336	348
75°	94	18	15	18	94	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°	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6
2.5°	3080.7	3077.6	3076.1	3079.2	3080.7	3086.8	3085.3	3088.3	3088.3	3089.8	3092.8
5°	3018.4	3016.8	3018.4	3018.4	3024.5	3030.5	3029.0	3033.6	3036.6	3044.2	3047.2
7.5°	2960.7	2960.7	2959.1	2965.2	2968.2	2977.4	2975.8	2983.4	2988.0	2995.6	3006.2
10°	2901.3	2901.3	2902.8	2907.4	2909.0	2922.6	2922.6	2933.3	2939.3	2947.0	2960.7
12.5°	2843.6	2843.6	2852.7	2849.7	2855.7	2866.4	2870.9	2881.6	2890.7	2905.9	2919.6
15°	2788.9	2788.9	2791.9	2799.5	2804.1	2817.8	2825.3	2837.5	2848.2	2863.4	2883.1
17.5°	2741.8	2740.3	2741.8	2750.9	2760.0	2772.2	2778.2	2793.4	2804.1	2823.8	2842.1
20°	2694.7	2697.7	2697.7	2705.3	2711.4	2726.6	2732.6	2749.4	2761.5	2779.7	2801.1
22.5°	2653.6	2652.1	2652.1	2662.8	2667.3	2681.0	2687.0	2702.2	2715.9	2731.1	2750.9
25°	2612.6	2609.5	2615.6	2617.1	2620.2	2635.4	2639.9	2650.6	2664.3	2678.0	2697.7
27.5°	2551.8	2548.8	2550.3	2556.3	2560.9	2573.0	2576.1	2586.7	2597.4	2609.5	2626.3
30°	2434.7	2431.7	2430.2	2440.9	2445.4	2454.5	2459.1	2477.3	2480.3	2494.0	2506.2
32.5°	2279.7	2278.2	2281.3	2290.3	2294.9	2307.1	2313.2	2323.8	2331.4	2339.0	2351.2
35°	2106.5	2103.4	2106.5	2115.6	2115.6	2126.3	2130.8	2135.3	2133.8	2135.3	2132.3
37.5°	1945.4	1943.8	1945.4	1949.9	1945.4	1949.9	1945.4	1936.3	1919.6	1901.3	1883.0
40°	1808.6	1810.1	1801.0	1807.1	1790.3	1787.3	1770.6	1747.8	1714.4	1677.9	1626.2
42.5°	1662.7	1658.1	1652.1	1655.1	1641.4	1630.7	1603.4	1574.6	1532.0	1471.2	1408.9
45°	1483.4	1481.9	1478.8	1477.3	1468.2	1457.5	1434.7	1401.3	1354.2	1291.9	1217.4
47.5°	1308.6	1304.0	1304.0	1305.5	1294.9	1293.4	1275.1	1246.3	1205.2	1144.4	1066.9
50°	1141.4	1139.9	1142.9	1149.0	1141.4	1138.4	1126.2	1106.5	1070.0	1018.3	945.3
52.5°	990.9	989.4	992.5	1000.0	997.0	1000.0	987.9	972.7	948.4	898.2	834.4
55°	843.5	843.5	843.5	852.6	852.6	852.6	846.5	837.5	814.6	778.2	718.9
57.5°	690.0	691.5	700.6	702.1	700.6	703.7	702.1	693.0	677.9	652.0	606.4
60°	560.8	560.8	565.4	570.0	568.4	570.0	570.0	565.4	550.2	528.9	492.5
62.5°	443.8	448.3	445.3	448.3	454.4	448.3	445.3	442.3	431.6	417.9	387.5
65°	335.9	338.9	338.9	340.4	337.4	338.9	332.9	328.3	322.2	307.0	287.3
67.5°	255.4	255.4	255.4	255.4	253.8	252.3	250.8	246.2	235.6	229.5	208.2
70°	196.1	186.9	186.9	186.9	186.9	188.5	183.9	177.9	174.8	164.2	148.9
72.5°	130.7	133.7	130.7	130.7	127.7	129.2	123.1	120.0	117.0	111.0	101.8
75°	94.2	86.6	89.6	91.2	86.6	89.6	83.6	77.5	77.5	72.9	68.4
77.5°	60.8	59.3	60.8	62.3	60.8	59.3	56.2	53.2	53.2	51.7	47.1
80°	44.1	42.5	42.5	42.5	41.0	42.5	39.5	39.5	36.5	35.0	31.9
82.5°	28.9	28.9	27.3	28.9	27.3	28.9	24.3	24.3	24.3	22.8	19.8
85°	19.8	16.7	16.7	18.3	15.2	18.3	16.7	15.2	13.7	13.7	12.1
87.5°	9.1	10.6	9.1	10.6	9.1	9.1	10.6	9.1	9.1	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°	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6
2.5°	3097.4	3098.9	3098.9	3105.0	3108.0	3109.5	3109.5	3121.7	3117.2	3120.2	3123.2
5°	3053.4	3062.4	3065.5	3065.5	3082.2	3088.3	3094.3	3108.0	3109.5	3118.7	3129.3
7.5°	3010.8	3021.4	3027.5	3041.2	3051.8	3062.4	3080.7	3089.8	3098.9	3111.1	3124.7
10°	2969.7	2981.9	2994.1	3004.7	3021.4	3035.1	3047.2	3068.5	3079.2	3095.9	3114.1
12.5°	2930.2	2947.0	2957.6	2975.8	2994.1	3006.2	3024.5	3044.2	3060.9	3077.6	3098.9
15°	2895.3	2915.0	2927.2	2947.0	2966.7	2983.4	3003.2	3027.5	3039.7	3059.4	3079.2
17.5°	2857.2	2878.6	2893.8	2912.0	2936.3	2954.5	2971.3	2995.6	3010.8	3032.0	3054.9
20°	2817.8	2839.0	2857.2	2875.5	2899.8	2918.0	2937.8	2962.2	2978.9	3000.1	3018.4
22.5°	2770.7	2790.4	2810.1	2831.4	2855.7	2870.9	2893.8	2915.0	2933.3	2953.0	2971.3
25°	2709.9	2734.2	2749.4	2769.1	2788.9	2805.6	2829.9	2851.2	2866.4	2884.6	2901.3
27.5°	2638.4	2656.7	2668.8	2685.5	2705.3	2720.5	2738.7	2760.0	2775.2	2791.9	2804.1
30°	2516.8	2533.6	2544.2	2556.3	2576.1	2589.8	2605.0	2624.7	2635.4	2647.6	2658.2
32.5°	2357.2	2370.9	2377.0	2386.1	2399.8	2413.5	2425.7	2442.4	2446.9	2454.5	2454.5
35°	2126.3	2129.3	2127.8	2130.8	2136.9	2144.5	2155.1	2165.7	2171.8	2171.8	2167.3
37.5°	1855.7	1837.5	1817.7	1802.5	1798.0	1794.9	1801.0	1805.5	1811.7	1814.7	1807.1
40°	1574.6	1533.5	1489.4	1449.9	1422.6	1410.4	1405.9	1408.9	1408.9	1419.5	1419.5
42.5°	1332.9	1269.0	1203.7	1144.4	1104.9	1074.5	1060.8	1060.8	1062.3	1070.0	1074.5
45°	1132.3	1051.7	975.7	910.4	855.7	816.1	797.9	793.4	791.9	794.9	805.5
47.5°	978.8	895.2	816.1	735.6	677.9	638.3	621.6	615.5	609.4	615.5	617.1
50°	858.7	772.1	688.5	607.9	547.1	512.2	490.9	481.8	480.3	480.3	483.3
52.5°	749.2	668.7	585.2	503.1	439.2	405.8	386.0	381.5	375.4	381.5	381.5
55°	645.9	565.4	483.3	405.8	352.6	317.7	299.4	293.3	290.3	294.8	294.8
57.5°	533.5	465.1	389.1	319.2	266.0	241.7	228.0	220.4	218.8	221.9	218.8
60°	437.7	380.0	314.6	250.8	209.8	183.9	173.3	170.2	167.2	170.2	170.2
62.5°	346.5	297.9	244.7	196.1	161.1	142.9	130.7	130.7	129.2	129.2	130.7
65°	256.9	218.8	180.9	139.8	112.5	98.8	89.6	89.6	88.1	89.6	88.1
67.5°	186.9	161.1	130.7	101.8	80.6	72.9	66.9	62.3	65.4	62.3	60.8
70°	136.8	115.5	94.2	77.5	62.3	54.7	50.2	48.6	45.6	45.6	45.6
72.5°	91.2	77.5	63.8	50.2	41.0	33.4	31.9	28.9	25.8	27.3	30.4
75°	60.8	51.7	45.6	36.5	27.3	27.3	18.3	18.3	15.2	18.3	13.7
77.5°	42.5	35.0	27.3	22.8	18.3	16.7	12.1	12.1	10.6	10.6	10.6
80°	30.4	25.8	19.8	16.7	12.1	12.1	10.6	9.1	7.6	7.6	9.1
82.5°	18.3	13.7	13.7	12.1	7.6	6.1	4.6	6.1	3.1	3.1	3.1
85°	10.6	9.1	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°	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6
2.5°	3130.9	3129.3	3132.4	3132.4	3141.5	3139.9	3144.5	3144.5	3141.5	3143.0	3149.1
5°	3141.5	3146.1	3155.1	3162.8	3176.4	3182.5	3190.1	3197.7	3199.2	3203.8	3208.4
7.5°	3141.5	3156.7	3167.3	3181.0	3199.2	3209.9	3226.6	3240.3	3246.4	3253.9	3263.1
10°	3135.4	3150.6	3170.3	3185.5	3208.4	3225.1	3241.8	3263.1	3272.2	3284.3	3296.5
12.5°	3123.2	3139.9	3161.2	3181.0	3206.8	3222.0	3243.3	3263.1	3276.8	3293.5	3307.2
15°	3105.0	3124.7	3144.5	3164.3	3191.6	3209.9	3229.6	3252.4	3266.1	3284.3	3296.5
17.5°	3076.1	3097.4	3115.7	3133.9	3159.7	3181.0	3199.2	3220.5	3234.2	3249.4	3266.1
20°	3041.2	3060.9	3080.7	3095.9	3121.7	3139.9	3159.7	3179.5	3190.1	3193.2	3219.0
22.5°	2997.1	3010.8	3026.0	3050.3	3065.5	3082.2	3100.5	3118.7	3129.3	3146.1	3155.1
25°	2924.1	2937.8	2954.5	2965.2	2983.4	2997.1	3015.3	3035.1	3041.2	3053.4	3062.4
27.5°	2822.3	2829.9	2837.5	2846.6	2857.2	2864.9	2875.5	2884.6	2890.7	2896.8	2902.8
30°	2661.2	2661.2	2661.2	2655.1	2659.7	2664.3	2665.8	2664.3	2664.3	2662.8	2662.8
32.5°	2448.4	2436.3	2422.6	2410.5	2405.9	2399.8	2396.8	2392.2	2384.6	2380.1	2381.6
35°	2161.2	2133.8	2117.1	2101.9	2089.8	2080.7	2076.1	2071.5	2070.0	2064.0	2057.8
37.5°	1802.5	1782.8	1770.6	1761.5	1750.9	1741.7	1743.2	1744.8	1749.3	1746.3	1747.8
40°	1422.6	1418.0	1422.6	1411.9	1408.9	1411.9	1419.5	1430.2	1436.3	1442.3	1453.0
42.5°	1082.1	1089.7	1100.4	1100.4	1104.9	1111.0	1120.1	1136.9	1145.9	1156.6	1168.8
45°	814.6	823.8	837.5	842.0	845.0	852.6	863.3	876.9	883.0	892.1	902.8
47.5°	627.7	633.8	641.3	649.0	656.5	659.6	670.2	670.2	677.9	683.9	686.9
50°	489.4	495.5	501.5	506.1	509.2	513.7	516.7	521.3	522.8	525.9	527.4
52.5°	383.0	390.6	390.6	393.6	398.2	402.7	401.2	402.7	404.2	404.2	408.8
55°	299.4	299.4	304.0	304.0	307.0	305.5	307.0	307.0	307.0	307.0	308.5
57.5°	223.4	225.0	229.5	226.5	225.0	228.0	225.0	228.0	226.5	229.5	225.0
60°	171.7	171.7	173.3	173.3	174.8	174.8	174.8	173.3	173.3	171.7	171.7
62.5°	129.2	130.7	132.2	130.7	130.7	130.7	129.2	129.2	127.7	126.1	126.1
65°	86.6	85.1	88.1	85.1	86.6	86.6	85.1	86.6	82.1	83.6	82.1
67.5°	62.3	60.8	59.3	60.8	59.3	57.7	57.7	59.3	60.8	56.2	56.2
70°	41.0	42.5	41.0	42.5	44.1	44.1	42.5	41.0	42.5	39.5	41.0
72.5°	25.8	25.8	25.8	25.8	25.8	27.3	27.3	27.3	24.3	24.3	22.8
75°	12.1	16.7	13.7	12.1	16.7	16.7	15.2	15.2	13.7	13.7	13.7
77.5°	12.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	7.6	9.1	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: P248633

CATALOG NUMBER: LD8B70D010 ER8B709727 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6
2.5°	3147.6	3146.1	3147.6	3149.1	3147.6	3146.1	3147.6	3149.1	3143.0	3141.5	3144.5
5°	3214.4	3214.4	3217.4	3219.0	3217.4	3214.4	3214.4	3208.4	3203.8	3199.2	3197.7
7.5°	3272.2	3275.3	3278.3	3279.8	3278.3	3275.3	3272.2	3263.1	3253.9	3246.4	3240.3
10°	3307.2	3311.7	3317.8	3320.8	3317.8	3311.7	3307.2	3296.5	3284.3	3272.2	3263.1
12.5°	3322.4	3326.9	3334.5	3333.0	3334.5	3326.9	3322.4	3307.2	3293.5	3276.8	3263.1
15°	3311.7	3317.8	3325.4	3328.4	3325.4	3317.8	3311.7	3296.5	3284.3	3266.1	3252.4
17.5°	3278.3	3287.4	3292.0	3296.5	3292.0	3287.4	3278.3	3266.1	3249.4	3234.2	3220.5
20°	3232.7	3238.8	3244.8	3246.4	3244.8	3238.8	3232.7	3219.0	3193.2	3190.1	3179.5
22.5°	3167.3	3171.9	3185.5	3181.0	3185.5	3171.9	3167.3	3155.1	3146.1	3129.3	3118.7
25°	3073.1	3077.6	3079.2	3080.7	3079.2	3077.6	3073.1	3062.4	3053.4	3041.2	3035.1
27.5°	2910.5	2910.5	2913.5	2915.0	2913.5	2910.5	2910.5	2902.8	2896.8	2890.7	2884.6
30°	2664.3	2664.3	2664.3	2671.9	2664.3	2664.3	2664.3	2662.8	2662.8	2664.3	2664.3
32.5°	2380.1	2377.0	2374.0	2377.0	2374.0	2377.0	2380.1	2381.6	2380.1	2384.6	2392.2
35°	2057.8	2056.3	2060.9	2054.8	2060.9	2056.3	2057.8	2057.8	2064.0	2070.0	2071.5
37.5°	1749.3	1746.3	1752.4	1746.3	1752.4	1746.3	1749.3	1747.8	1746.3	1749.3	1744.8
40°	1456.0	1459.0	1459.0	1471.2	1459.0	1459.0	1456.0	1453.0	1442.3	1436.3	1430.2
42.5°	1174.8	1184.0	1180.9	1190.0	1180.9	1184.0	1174.8	1168.8	1156.6	1145.9	1136.9
45°	908.8	915.0	915.0	918.0	915.0	915.0	908.8	902.8	892.1	883.0	876.9
47.5°	697.6	697.6	697.6	699.1	697.6	697.6	697.6	686.9	683.9	677.9	670.2
50°	530.4	531.9	533.5	535.0	533.5	531.9	530.4	527.4	525.9	522.8	521.3
52.5°	407.3	408.8	405.8	408.8	405.8	408.8	407.3	408.8	404.2	404.2	402.7
55°	308.5	307.0	308.5	310.0	308.5	307.0	308.5	308.5	307.0	307.0	307.0
57.5°	226.5	223.4	223.4	223.4	223.4	223.4	226.5	225.0	229.5	226.5	228.0
60°	168.7	170.2	170.2	171.7	170.2	170.2	168.7	171.7	171.7	173.3	173.3
62.5°	124.6	129.2	126.1	129.2	126.1	129.2	124.6	126.1	126.1	127.7	129.2
65°	80.6	80.6	80.6	82.1	80.6	80.6	80.6	82.1	83.6	82.1	86.6
67.5°	54.7	56.2	59.3	57.7	59.3	56.2	54.7	56.2	56.2	60.8	59.3
70°	44.1	39.5	39.5	44.1	39.5	39.5	44.1	41.0	39.5	42.5	41.0
72.5°	25.8	22.8	25.8	25.8	25.8	22.8	25.8	22.8	24.3	24.3	27.3
75°	13.7	12.1	10.6	15.2	10.6	12.1	13.7	13.7	13.7	13.7	15.2
77.5°	9.1	7.6	10.6	10.6	10.6	7.6	9.1	7.6	9.1	7.6	9.1
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: P248633

CATALOG NUMBER: LD8B70D010 ER8B709727 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6
2.5°	3144.5	3139.9	3141.5	3132.4	3132.4	3129.3	3130.9	3123.2	3120.2	3117.2	3121.7
5°	3190.1	3182.5	3176.4	3162.8	3155.1	3146.1	3141.5	3129.3	3118.7	3109.5	3108.0
7.5°	3226.6	3209.9	3199.2	3181.0	3167.3	3156.7	3141.5	3124.7	3111.1	3098.9	3089.8
10°	3241.8	3225.1	3208.4	3185.5	3170.3	3150.6	3135.4	3114.1	3095.9	3079.2	3068.5
12.5°	3243.3	3222.0	3206.8	3181.0	3161.2	3139.9	3123.2	3098.9	3077.6	3060.9	3044.2
15°	3229.6	3209.9	3191.6	3164.3	3144.5	3124.7	3105.0	3079.2	3059.4	3039.7	3027.5
17.5°	3199.2	3181.0	3159.7	3133.9	3115.7	3097.4	3076.1	3054.9	3032.0	3010.8	2995.6
20°	3159.7	3139.9	3121.7	3095.9	3080.7	3060.9	3041.2	3018.4	3000.1	2978.9	2962.2
22.5°	3100.5	3082.2	3065.5	3050.3	3026.0	3010.8	2997.1	2971.3	2953.0	2933.3	2915.0
25°	3015.3	2997.1	2983.4	2965.2	2954.5	2937.8	2924.1	2901.3	2884.6	2866.4	2851.2
27.5°	2875.5	2864.9	2857.2	2846.6	2837.5	2829.9	2822.3	2804.1	2791.9	2775.2	2760.0
30°	2665.8	2664.3	2659.7	2655.1	2661.2	2661.2	2661.2	2658.2	2647.6	2635.4	2624.7
32.5°	2396.8	2399.8	2405.9	2410.5	2422.6	2436.3	2448.4	2454.5	2454.5	2446.9	2442.4
35°	2076.1	2080.7	2089.8	2101.9	2117.1	2133.8	2161.2	2167.3	2171.8	2171.8	2165.7
37.5°	1743.2	1741.7	1750.9	1761.5	1770.6	1782.8	1802.5	1807.1	1814.7	1811.7	1805.5
40°	1419.5	1411.9	1408.9	1411.9	1422.6	1418.0	1422.6	1419.5	1419.5	1408.9	1408.9
42.5°	1120.1	1111.0	1104.9	1100.4	1100.4	1089.7	1082.1	1074.5	1070.0	1062.3	1060.8
45°	863.3	852.6	845.0	842.0	837.5	823.8	814.6	805.5	794.9	791.9	793.4
47.5°	670.2	659.6	656.5	649.0	641.3	633.8	627.7	617.1	615.5	609.4	615.5
50°	516.7	513.7	509.2	506.1	501.5	495.5	489.4	483.3	480.3	480.3	481.8
52.5°	401.2	402.7	398.2	393.6	390.6	390.6	383.0	381.5	381.5	375.4	381.5
55°	307.0	305.5	307.0	304.0	304.0	299.4	299.4	294.8	294.8	290.3	293.3
57.5°	225.0	228.0	225.0	226.5	229.5	225.0	223.4	218.8	221.9	218.8	220.4
60°	174.8	174.8	174.8	173.3	173.3	171.7	171.7	170.2	170.2	167.2	170.2
62.5°	129.2	130.7	130.7	130.7	132.2	130.7	129.2	130.7	129.2	129.2	130.7
65°	85.1	86.6	86.6	85.1	88.1	85.1	86.6	88.1	89.6	88.1	89.6
67.5°	57.7	57.7	59.3	60.8	59.3	60.8	62.3	60.8	62.3	65.4	62.3
70°	42.5	44.1	44.1	42.5	41.0	42.5	41.0	45.6	45.6	45.6	48.6
72.5°	27.3	27.3	25.8	25.8	25.8	25.8	25.8	30.4	27.3	25.8	28.9
75°	15.2	16.7	16.7	12.1	13.7	16.7	12.1	13.7	18.3	15.2	18.3
77.5°	9.1	9.1	9.1	9.1	9.1	9.1	12.1	10.6	10.6	10.6	12.1
80°	7.6	6.1	6.1	4.6	6.1	6.1	6.1	9.1	7.6	7.6	9.1
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: P248633

CATALOG NUMBER: LD8B70D010 ER8B709727 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6
2.5°	3109.5	3109.5	3108.0	3105.0	3098.9	3098.9	3097.4	3092.8	3089.8	3088.3	3088.3
5°	3094.3	3088.3	3082.2	3065.5	3065.5	3062.4	3053.4	3047.2	3044.2	3036.6	3033.6
7.5°	3080.7	3062.4	3051.8	3041.2	3027.5	3021.4	3010.8	3006.2	2995.6	2988.0	2983.4
10°	3047.2	3035.1	3021.4	3004.7	2994.1	2981.9	2969.7	2960.7	2947.0	2939.3	2933.3
12.5°	3024.5	3006.2	2994.1	2975.8	2957.6	2947.0	2930.2	2919.6	2905.9	2890.7	2881.6
15°	3003.2	2983.4	2966.7	2947.0	2927.2	2915.0	2895.3	2883.1	2863.4	2848.2	2837.5
17.5°	2971.3	2954.5	2936.3	2912.0	2893.8	2878.6	2857.2	2842.1	2823.8	2804.1	2793.4
20°	2937.8	2918.0	2899.8	2875.5	2857.2	2839.0	2817.8	2801.1	2779.7	2761.5	2749.4
22.5°	2893.8	2870.9	2855.7	2831.4	2810.1	2790.4	2770.7	2750.9	2731.1	2715.9	2702.2
25°	2829.9	2805.6	2788.9	2769.1	2749.4	2734.2	2709.9	2697.7	2678.0	2664.3	2650.6
27.5°	2738.7	2720.5	2705.3	2685.5	2668.8	2656.7	2638.4	2626.3	2609.5	2597.4	2586.7
30°	2605.0	2589.8	2576.1	2556.3	2544.2	2533.6	2516.8	2506.2	2494.0	2480.3	2477.3
32.5°	2425.7	2413.5	2399.8	2386.1	2377.0	2370.9	2357.2	2351.2	2339.0	2331.4	2323.8
35°	2155.1	2144.5	2136.9	2130.8	2127.8	2129.3	2126.3	2132.3	2135.3	2133.8	2135.3
37.5°	1801.0	1794.9	1798.0	1802.5	1817.7	1837.5	1855.7	1883.0	1901.3	1919.6	1936.3
40°	1405.9	1410.4	1422.6	1449.9	1489.4	1533.5	1574.6	1626.2	1677.9	1714.4	1747.8
42.5°	1060.8	1074.5	1104.9	1144.4	1203.7	1269.0	1332.9	1408.9	1471.2	1532.0	1574.6
45°	797.9	816.1	855.7	910.4	975.7	1051.7	1132.3	1217.4	1291.9	1354.2	1401.3
47.5°	621.6	638.3	677.9	735.6	816.1	895.2	978.8	1066.9	1144.4	1205.2	1246.3
50°	490.9	512.2	547.1	607.9	688.5	772.1	858.7	945.3	1018.3	1070.0	1106.5
52.5°	386.0	405.8	439.2	503.1	585.2	668.7	749.2	834.4	898.2	948.4	972.7
55°	299.4	317.7	352.6	405.8	483.3	565.4	645.9	718.9	778.2	814.6	837.5
57.5°	228.0	241.7	266.0	319.2	389.1	465.1	533.5	606.4	652.0	677.9	693.0
60°	173.3	183.9	209.8	250.8	314.6	380.0	437.7	492.5	528.9	550.2	565.4
62.5°	130.7	142.9	161.1	196.1	244.7	297.9	346.5	387.5	417.9	431.6	442.3
65°	89.6	98.8	112.5	139.8	180.9	218.8	256.9	287.3	307.0	322.2	328.3
67.5°	66.9	72.9	80.6	101.8	130.7	161.1	186.9	208.2	229.5	235.6	246.2
70°	50.2	54.7	62.3	77.5	94.2	115.5	136.8	148.9	164.2	174.8	177.9
72.5°	31.9	33.4	41.0	50.2	63.8	77.5	91.2	101.8	111.0	117.0	120.0
75°	18.3	27.3	27.3	36.5	45.6	51.7	60.8	68.4	72.9	77.5	77.5
77.5°	12.1	16.7	18.3	22.8	27.3	35.0	42.5	47.1	51.7	53.2	53.2
80°	10.6	12.1	12.1	16.7	19.8	25.8	30.4	31.9	35.0	36.5	39.5
82.5°	4.6	6.1	7.6	12.1	13.7	13.7	18.3	19.8	22.8	24.3	24.3
85°	1.5	3.1	3.1	4.6	7.6	9.1	10.6	12.1	13.7	13.7	15.2
87.5°	1.5	1.5	0.0	1.5	3.1	3.1	6.1	6.1	6.1	9.1	9.1
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: P248633

CATALOG NUMBER: LD8B70D010 ER8B709727 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6
2.5°	3085.3	3086.8	3080.7	3079.2	3076.1	3077.6	3080.7
5°	3029.0	3030.5	3024.5	3018.4	3018.4	3016.8	3018.4
7.5°	2975.8	2977.4	2968.2	2965.2	2959.1	2960.7	2960.7
10°	2922.6	2922.6	2909.0	2907.4	2902.8	2901.3	2901.3
12.5°	2870.9	2866.4	2855.7	2849.7	2852.7	2843.6	2843.6
15°	2825.3	2817.8	2804.1	2799.5	2791.9	2788.9	2788.9
17.5°	2778.2	2772.2	2760.0	2750.9	2741.8	2740.3	2741.8
20°	2732.6	2726.6	2711.4	2705.3	2697.7	2697.7	2694.7
22.5°	2687.0	2681.0	2667.3	2662.8	2652.1	2652.1	2653.6
25°	2639.9	2635.4	2620.2	2617.1	2615.6	2609.5	2612.6
27.5°	2576.1	2573.0	2560.9	2556.3	2550.3	2548.8	2551.8
30°	2459.1	2454.5	2445.4	2440.9	2430.2	2431.7	2434.7
32.5°	2313.2	2307.1	2294.9	2290.3	2281.3	2278.2	2279.7
35°	2130.8	2126.3	2115.6	2115.6	2106.5	2103.4	2106.5
37.5°	1945.4	1949.9	1945.4	1949.9	1945.4	1943.8	1945.4
40°	1770.6	1787.3	1790.3	1807.1	1801.0	1810.1	1808.6
42.5°	1603.4	1630.7	1641.4	1655.1	1652.1	1658.1	1662.7
45°	1434.7	1457.5	1468.2	1477.3	1478.8	1481.9	1483.4
47.5°	1275.1	1293.4	1294.9	1305.5	1304.0	1304.0	1308.6
50°	1126.2	1138.4	1141.4	1149.0	1142.9	1139.9	1141.4
52.5°	987.9	1000.0	997.0	1000.0	992.5	989.4	990.9
55°	846.5	852.6	852.6	852.6	843.5	843.5	843.5
57.5°	702.1	703.7	700.6	702.1	700.6	691.5	690.0
60°	570.0	570.0	568.4	570.0	565.4	560.8	560.8
62.5°	445.3	448.3	454.4	448.3	445.3	448.3	443.8
65°	332.9	338.9	337.4	340.4	338.9	338.9	335.9
67.5°	250.8	252.3	253.8	255.4	255.4	255.4	255.4
70°	183.9	188.5	186.9	186.9	186.9	186.9	196.1
72.5°	123.1	129.2	127.7	130.7	130.7	133.7	130.7
75°	83.6	89.6	86.6	91.2	89.6	86.6	94.2
77.5°	56.2	59.3	60.8	62.3	60.8	59.3	60.8
80°	39.5	42.5	41.0	42.5	42.5	42.5	44.1
82.5°	24.3	28.9	27.3	28.9	27.3	28.9	28.9
85°	16.7	18.3	15.2	18.3	16.7	16.7	19.8
87.5°	10.6	9.1	9.1	10.6	9.1	10.6	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)