

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: P248741

Luminaire Tested: **LD8B70D010 ER8B709727 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248741  
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 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5197.0 lumens  
Efficiency: N/A  
Efficacy: 68.5 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

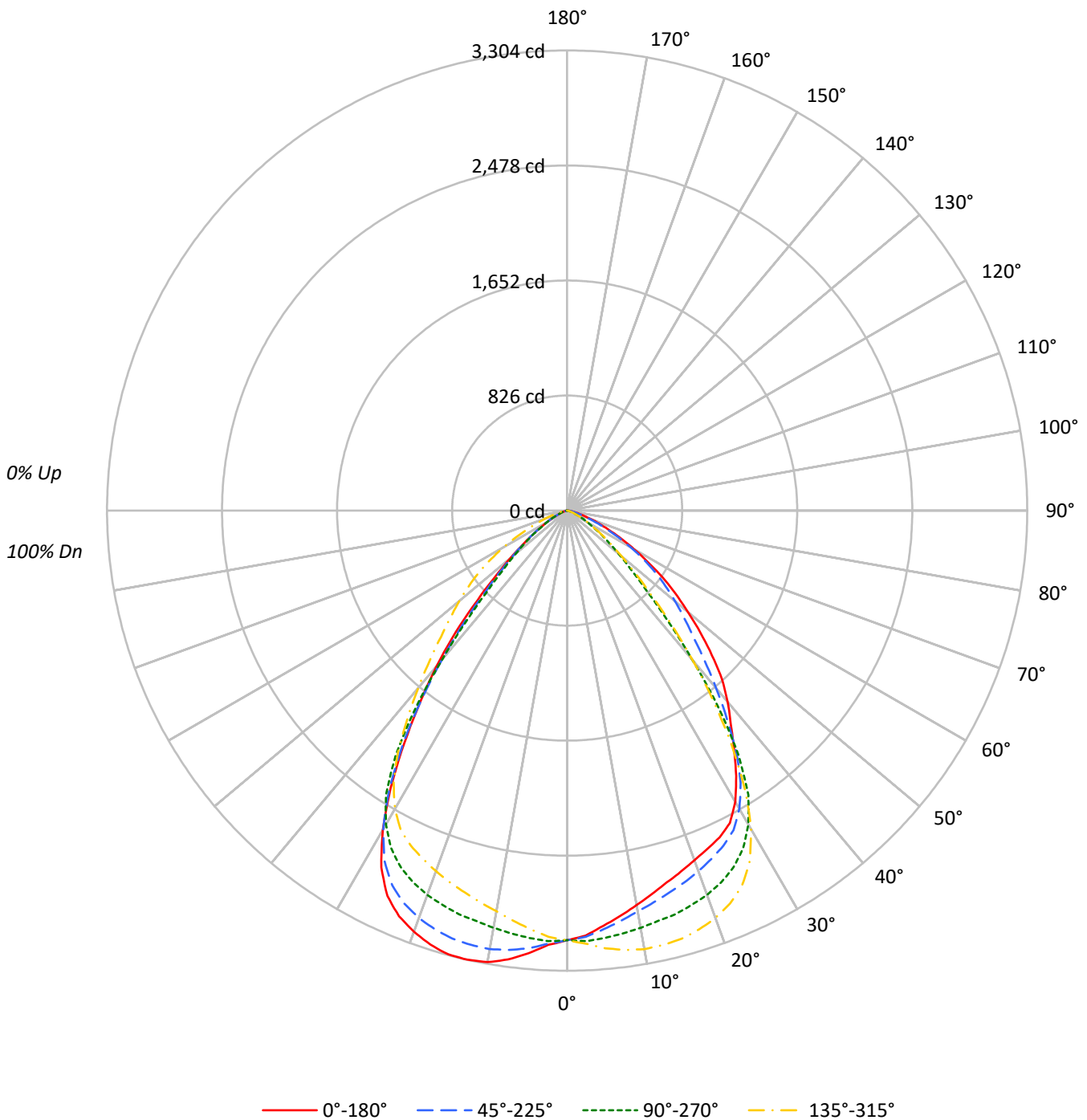
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	293.7	5.7
10°-20°	850.4	16.4
20°-30°	1287.7	24.8
30°-40°	1290.6	24.8
40°-50°	810.4	15.6
50°-60°	431.9	8.3
60°-70°	177.6	3.4
70°-80°	46.9	0.9
80°-90°	7.9	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°	2431.7	46.8
0°-40°	3722.3	71.6
0°-60°	4964.6	95.5
0°-90°	5197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5197.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3085	3085	3085	3085	3085	
5°	2992	3081	3191	3081	2992	282
15°	2764	3001	3299	3001	2764	782
25°	2590	2826	3054	2826	2590	1188
35°	2088	2147	2037	2147	2088	1308
45°	1470	786	910	786	1470	1131
55°	836	291	307	291	836	745
65°	333	89	81	89	333	345
75°	93	18	15	18	93	106
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°	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3
2.5°	3053.7	3050.6	3049.1	3052.2	3053.7	3059.7	3058.2	3061.2	3061.2	3062.7	3065.7
5°	2991.9	2990.4	2991.9	2991.9	2997.9	3003.9	3002.5	3007.0	3010.0	3017.5	3020.5
7.5°	2934.7	2934.7	2933.1	2939.1	2942.2	2951.2	2949.7	2957.2	2961.8	2969.3	2979.8
10°	2875.9	2875.9	2877.4	2881.9	2883.5	2897.0	2897.0	2907.5	2913.5	2921.1	2934.7
12.5°	2818.7	2818.7	2827.7	2824.7	2830.7	2841.2	2845.8	2856.3	2865.4	2880.4	2894.0
15°	2764.4	2764.4	2767.4	2774.9	2779.5	2793.0	2800.6	2812.6	2823.2	2838.3	2857.8
17.5°	2717.7	2716.2	2717.7	2726.8	2735.8	2747.8	2753.9	2768.9	2779.5	2799.1	2817.2
20°	2671.0	2674.1	2674.1	2681.6	2687.6	2702.6	2708.7	2725.3	2737.3	2755.3	2776.5
22.5°	2630.3	2628.8	2628.8	2639.4	2643.9	2657.4	2663.5	2678.5	2692.1	2707.2	2726.8
25°	2589.7	2586.6	2592.7	2594.2	2597.2	2612.2	2616.8	2627.3	2640.9	2654.5	2674.1
27.5°	2529.4	2526.4	2527.9	2533.9	2538.4	2550.5	2553.5	2564.1	2574.6	2586.6	2603.2
30°	2413.4	2410.4	2408.9	2419.4	2424.0	2433.0	2437.5	2455.6	2458.6	2472.2	2484.2
32.5°	2259.7	2258.2	2261.3	2270.3	2274.8	2286.9	2292.9	2303.4	2310.9	2318.5	2330.5
35°	2088.0	2085.0	2088.0	2097.1	2097.1	2107.6	2112.1	2116.6	2115.1	2116.6	2113.6
37.5°	1928.3	1926.8	1928.3	1932.8	1928.3	1932.8	1928.3	1919.3	1902.7	1884.6	1866.5
40°	1792.7	1794.2	1785.2	1791.2	1774.6	1771.6	1755.1	1732.5	1699.3	1663.2	1612.0
42.5°	1648.1	1643.6	1637.6	1640.6	1627.0	1616.4	1589.3	1560.8	1518.5	1458.3	1396.5
45°	1470.3	1468.9	1465.8	1464.3	1455.3	1444.7	1422.1	1389.0	1342.3	1280.5	1206.7
47.5°	1297.1	1292.6	1292.6	1294.1	1283.5	1282.0	1263.9	1235.3	1194.7	1134.4	1057.6
50°	1131.3	1129.9	1132.9	1138.9	1131.3	1128.4	1116.3	1096.7	1060.6	1009.4	937.0
52.5°	982.2	980.7	983.8	991.3	988.2	991.3	979.2	964.2	940.0	890.3	827.1
55°	836.1	836.1	836.1	845.1	845.1	845.1	839.1	830.1	807.5	771.3	712.6
57.5°	684.0	685.4	694.5	696.0	694.5	697.5	696.0	686.9	671.9	646.3	601.1
60°	555.9	555.9	560.4	565.0	563.4	565.0	565.0	560.4	545.4	524.3	488.1
62.5°	439.9	444.4	441.4	444.4	450.4	444.4	441.4	438.4	427.9	414.3	384.1
65°	332.9	336.0	336.0	337.5	334.4	336.0	329.9	325.4	319.4	304.3	284.7
67.5°	253.1	253.1	253.1	253.1	251.6	250.1	248.6	244.1	233.5	227.5	206.4
70°	194.3	185.3	185.3	185.3	185.3	186.8	182.3	176.3	173.3	162.7	147.6
72.5°	129.5	132.6	129.5	129.5	126.6	128.0	122.0	119.0	116.0	110.0	100.9
75°	93.4	85.9	88.9	90.4	85.9	88.9	82.8	76.8	76.8	72.3	67.8
77.5°	60.3	58.8	60.3	61.8	60.3	58.8	55.7	52.7	52.7	51.2	46.7
80°	43.7	42.2	42.2	42.2	40.7	42.2	39.2	39.2	36.2	34.7	31.6
82.5°	28.6	28.6	27.1	28.6	27.1	28.6	24.1	24.1	24.1	22.6	19.6
85°	19.6	16.6	16.6	18.1	15.1	18.1	16.6	15.1	13.6	13.6	12.0
87.5°	9.1	10.5	9.1	10.5	9.1	9.1	10.5	9.1	9.1	6.0	6.0
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°	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3
2.5°	3070.2	3071.7	3071.7	3077.8	3080.8	3082.3	3082.3	3094.3	3089.8	3092.9	3095.8
5°	3026.6	3035.6	3038.6	3038.6	3055.2	3061.2	3067.2	3080.8	3082.3	3091.3	3101.9
7.5°	2984.3	2994.9	3001.0	3014.5	3025.0	3035.6	3053.7	3062.7	3071.7	3083.8	3097.3
10°	2943.7	2955.8	2967.8	2978.3	2994.9	3008.5	3020.5	3041.6	3052.2	3068.7	3086.8
12.5°	2904.5	2921.1	2931.6	2949.7	2967.8	2979.8	2997.9	3017.5	3034.1	3050.6	3071.7
15°	2869.9	2889.5	2901.5	2921.1	2940.7	2957.2	2976.8	3001.0	3013.0	3032.6	3052.2
17.5°	2832.2	2853.3	2868.4	2886.4	2910.6	2928.6	2945.2	2969.3	2984.3	3005.4	3028.1
20°	2793.0	2814.1	2832.2	2850.3	2874.4	2892.4	2912.0	2936.2	2952.7	2973.8	2991.9
22.5°	2746.4	2766.0	2785.5	2806.6	2830.7	2845.8	2868.4	2889.5	2907.5	2927.1	2945.2
25°	2686.1	2710.2	2725.3	2744.8	2764.4	2781.0	2805.1	2826.2	2841.2	2859.3	2875.9
27.5°	2615.3	2633.4	2645.4	2662.0	2681.6	2696.6	2714.7	2735.8	2750.9	2767.4	2779.5
30°	2494.7	2511.3	2521.9	2533.9	2553.5	2567.1	2582.2	2601.7	2612.2	2624.3	2634.9
32.5°	2336.5	2350.1	2356.1	2365.2	2378.8	2392.3	2404.4	2420.9	2425.5	2433.0	2433.0
35°	2107.6	2110.6	2109.1	2112.1	2118.1	2125.7	2136.2	2146.7	2152.7	2152.7	2148.3
37.5°	1839.4	1821.4	1801.8	1786.7	1782.2	1779.1	1785.2	1789.7	1795.8	1798.7	1791.2
40°	1560.8	1520.1	1476.4	1437.2	1410.1	1398.0	1393.5	1396.5	1396.5	1407.0	1407.0
42.5°	1321.2	1257.9	1193.2	1134.4	1095.2	1065.1	1051.5	1051.5	1053.0	1060.6	1065.1
45°	1122.4	1042.5	967.1	902.4	848.2	809.0	790.9	786.4	784.9	787.9	798.4
47.5°	970.2	887.3	809.0	729.2	671.9	632.7	616.2	610.1	604.1	610.1	611.7
50°	851.2	765.3	682.5	602.6	542.3	507.7	486.6	477.5	476.0	476.0	479.1
52.5°	742.7	662.9	580.0	498.7	435.4	402.2	382.7	378.1	372.1	378.1	378.1
55°	640.2	560.4	479.1	402.2	349.5	314.9	296.8	290.8	287.7	292.2	292.2
57.5°	528.8	461.0	385.7	316.4	263.7	239.5	226.0	218.5	216.9	219.9	216.9
60°	433.9	376.6	311.8	248.6	207.9	182.3	171.8	168.7	165.7	168.7	168.7
62.5°	343.5	295.3	242.5	194.3	159.7	141.6	129.5	129.5	128.0	128.0	129.5
65°	254.6	216.9	179.3	138.6	111.5	97.9	88.9	88.9	87.4	88.9	87.4
67.5°	185.3	159.7	129.5	100.9	79.9	72.3	66.3	61.8	64.8	61.8	60.3
70°	135.6	114.5	93.4	76.8	61.8	54.3	49.7	48.2	45.2	45.2	45.2
72.5°	90.4	76.8	63.2	49.7	40.7	33.1	31.6	28.6	25.6	27.1	30.1
75°	60.3	51.2	45.2	36.2	27.1	27.1	18.1	18.1	15.1	18.1	13.6
77.5°	42.2	34.7	27.1	22.6	18.1	16.6	12.0	12.0	10.5	10.5	10.5
80°	30.1	25.6	19.6	16.6	12.0	12.0	10.5	9.1	7.5	7.5	9.1
82.5°	18.1	13.6	13.6	12.0	7.5	6.0	4.5	6.0	3.0	3.0	3.0
85°	10.5	9.1	7.5	4.5	3.0	3.0	1.5	0.0	1.5	1.5	0.0
87.5°	6.0	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



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3
2.5°	3103.4	3101.9	3104.9	3104.9	3113.9	3112.4	3116.9	3116.9	3113.9	3115.4	3121.4
5°	3113.9	3118.5	3127.5	3135.0	3148.5	3154.6	3162.1	3169.7	3171.2	3175.7	3180.2
7.5°	3113.9	3129.0	3139.6	3153.1	3171.2	3181.7	3198.3	3211.9	3217.9	3225.4	3234.4
10°	3107.9	3122.9	3142.5	3157.6	3180.2	3196.8	3213.3	3234.4	3243.5	3255.5	3267.6
12.5°	3095.8	3112.4	3133.5	3153.1	3178.7	3193.7	3214.8	3234.4	3248.0	3264.6	3278.1
15°	3077.8	3097.3	3116.9	3136.5	3163.6	3181.7	3201.3	3223.9	3237.5	3255.5	3267.6
17.5°	3049.1	3070.2	3088.3	3106.4	3132.0	3153.1	3171.2	3192.3	3205.8	3220.9	3237.5
20°	3014.5	3034.1	3053.7	3068.7	3094.3	3112.4	3132.0	3151.6	3162.1	3165.2	3190.8
22.5°	2970.8	2984.3	2999.4	3023.5	3038.6	3055.2	3073.3	3091.3	3101.9	3118.5	3127.5
25°	2898.5	2912.0	2928.6	2939.1	2957.2	2970.8	2988.9	3008.5	3014.5	3026.6	3035.6
27.5°	2797.6	2805.1	2812.6	2821.6	2832.2	2839.7	2850.3	2859.3	2865.4	2871.4	2877.4
30°	2637.8	2637.8	2637.8	2631.8	2636.4	2640.9	2642.4	2640.9	2640.9	2639.4	2639.4
32.5°	2427.0	2414.9	2401.3	2389.3	2384.8	2378.8	2375.7	2371.2	2363.7	2359.2	2360.7
35°	2142.2	2115.1	2098.6	2083.5	2071.5	2062.4	2057.9	2053.3	2051.9	2045.8	2039.8
37.5°	1786.7	1767.1	1755.1	1746.0	1735.5	1726.4	1727.9	1729.5	1733.9	1731.0	1732.5
40°	1410.1	1405.5	1410.1	1399.5	1396.5	1399.5	1407.0	1417.6	1423.7	1429.7	1440.2
42.5°	1072.6	1080.1	1090.7	1090.7	1095.2	1101.3	1110.3	1126.9	1135.9	1146.4	1158.5
45°	807.5	816.5	830.1	834.6	837.6	845.1	855.7	869.2	875.2	884.3	894.8
47.5°	622.2	628.2	635.7	643.3	650.8	653.8	664.4	664.4	671.9	677.9	680.9
50°	485.1	491.1	497.1	501.6	504.7	509.2	512.2	516.7	518.2	521.2	522.7
52.5°	379.6	387.2	387.2	390.2	394.7	399.2	397.7	399.2	400.7	400.7	405.2
55°	296.8	296.8	301.3	301.3	304.3	302.8	304.3	304.3	304.3	304.3	305.8
57.5°	221.4	223.0	227.5	224.5	223.0	226.0	223.0	226.0	224.5	227.5	223.0
60°	170.2	170.2	171.8	171.8	173.3	173.3	173.3	171.8	171.8	170.2	170.2
62.5°	128.0	129.5	131.1	129.5	129.5	129.5	128.0	128.0	126.6	125.0	125.0
65°	85.9	84.4	87.4	84.4	85.9	85.9	84.4	85.9	81.4	82.8	81.4
67.5°	61.8	60.3	58.8	60.3	58.8	57.2	57.2	58.8	60.3	55.7	55.7
70°	40.7	42.2	40.7	42.2	43.7	43.7	42.2	40.7	42.2	39.2	40.7
72.5°	25.6	25.6	25.6	25.6	25.6	27.1	27.1	27.1	24.1	24.1	22.6
75°	12.0	16.6	13.6	12.0	16.6	16.6	15.1	15.1	13.6	13.6	13.6
77.5°	12.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1	7.5	9.1	7.5
80°	6.0	6.0	6.0	4.5	6.0	6.0	7.5	6.0	6.0	4.5	7.5
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: P248741

CATALOG NUMBER: LD8B70D010 ER8B709727 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3
2.5°	3120.0	3118.5	3120.0	3121.4	3120.0	3118.5	3120.0	3121.4	3115.4	3113.9	3116.9
5°	3186.2	3186.2	3189.2	3190.8	3189.2	3186.2	3186.2	3180.2	3175.7	3171.2	3169.7
7.5°	3243.5	3246.5	3249.5	3251.0	3249.5	3246.5	3243.5	3234.4	3225.4	3217.9	3211.9
10°	3278.1	3282.7	3288.7	3291.7	3288.7	3282.7	3278.1	3267.6	3255.5	3243.5	3234.4
12.5°	3293.2	3297.7	3305.2	3303.8	3305.2	3297.7	3293.2	3278.1	3264.6	3248.0	3234.4
15°	3282.7	3288.7	3296.2	3299.2	3296.2	3288.7	3282.7	3267.6	3255.5	3237.5	3223.9
17.5°	3249.5	3258.5	3263.1	3267.6	3263.1	3258.5	3249.5	3237.5	3220.9	3205.8	3192.3
20°	3204.3	3210.4	3216.4	3217.9	3216.4	3210.4	3204.3	3190.8	3165.2	3162.1	3151.6
22.5°	3139.6	3144.1	3157.6	3153.1	3157.6	3144.1	3139.6	3127.5	3118.5	3101.9	3091.3
25°	3046.1	3050.6	3052.2	3053.7	3052.2	3050.6	3046.1	3035.6	3026.6	3014.5	3008.5
27.5°	2884.9	2884.9	2887.9	2889.5	2887.9	2884.9	2884.9	2877.4	2871.4	2865.4	2859.3
30°	2640.9	2640.9	2640.9	2648.4	2640.9	2640.9	2640.9	2639.4	2639.4	2640.9	2640.9
32.5°	2359.2	2356.1	2353.2	2356.1	2353.2	2356.1	2359.2	2360.7	2359.2	2363.7	2371.2
35°	2039.8	2038.3	2042.8	2036.8	2042.8	2038.3	2039.8	2039.8	2045.8	2051.9	2053.3
37.5°	1733.9	1731.0	1737.0	1731.0	1737.0	1731.0	1733.9	1732.5	1731.0	1733.9	1729.5
40°	1443.2	1446.2	1446.2	1458.3	1446.2	1446.2	1443.2	1440.2	1429.7	1423.7	1417.6
42.5°	1164.5	1173.6	1170.5	1179.6	1170.5	1173.6	1164.5	1158.5	1146.4	1135.9	1126.9
45°	900.9	906.9	906.9	909.9	906.9	906.9	900.9	894.8	884.3	875.2	869.2
47.5°	691.5	691.5	691.5	693.0	691.5	691.5	691.5	680.9	677.9	671.9	664.4
50°	525.8	527.3	528.8	530.3	528.8	527.3	525.8	522.7	521.2	518.2	516.7
52.5°	403.7	405.2	402.2	405.2	402.2	405.2	403.7	405.2	400.7	400.7	399.2
55°	305.8	304.3	305.8	307.3	305.8	304.3	305.8	305.8	304.3	304.3	304.3
57.5°	224.5	221.4	221.4	221.4	221.4	221.4	224.5	223.0	227.5	224.5	226.0
60°	167.2	168.7	168.7	170.2	168.7	168.7	167.2	170.2	170.2	171.8	171.8
62.5°	123.5	128.0	125.0	128.0	125.0	128.0	123.5	125.0	125.0	126.6	128.0
65°	79.9	79.9	79.9	81.4	79.9	79.9	79.9	81.4	82.8	81.4	85.9
67.5°	54.3	55.7	58.8	57.2	58.8	55.7	54.3	55.7	55.7	60.3	58.8
70°	43.7	39.2	39.2	43.7	39.2	39.2	43.7	40.7	39.2	42.2	40.7
72.5°	25.6	22.6	25.6	25.6	25.6	22.6	25.6	22.6	24.1	24.1	27.1
75°	13.6	12.0	10.5	15.1	10.5	12.0	13.6	13.6	13.6	13.6	15.1
77.5°	9.1	7.5	10.5	10.5	10.5	7.5	9.1	7.5	9.1	7.5	9.1
80°	4.5	6.0	4.5	7.5	4.5	6.0	4.5	7.5	4.5	6.0	6.0
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: P248741

CATALOG NUMBER: LD8B70D010 ER8B709727 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3
2.5°	3116.9	3112.4	3113.9	3104.9	3104.9	3101.9	3103.4	3095.8	3092.9	3089.8	3094.3
5°	3162.1	3154.6	3148.5	3135.0	3127.5	3118.5	3113.9	3101.9	3091.3	3082.3	3080.8
7.5°	3198.3	3181.7	3171.2	3153.1	3139.6	3129.0	3113.9	3097.3	3083.8	3071.7	3062.7
10°	3213.3	3196.8	3180.2	3157.6	3142.5	3122.9	3107.9	3086.8	3068.7	3052.2	3041.6
12.5°	3214.8	3193.7	3178.7	3153.1	3133.5	3112.4	3095.8	3071.7	3050.6	3034.1	3017.5
15°	3201.3	3181.7	3163.6	3136.5	3116.9	3097.3	3077.8	3052.2	3032.6	3013.0	3001.0
17.5°	3171.2	3153.1	3132.0	3106.4	3088.3	3070.2	3049.1	3028.1	3005.4	2984.3	2969.3
20°	3132.0	3112.4	3094.3	3068.7	3053.7	3034.1	3014.5	2991.9	2973.8	2952.7	2936.2
22.5°	3073.3	3055.2	3038.6	3023.5	2999.4	2984.3	2970.8	2945.2	2927.1	2907.5	2889.5
25°	2988.9	2970.8	2957.2	2939.1	2928.6	2912.0	2898.5	2875.9	2859.3	2841.2	2826.2
27.5°	2850.3	2839.7	2832.2	2821.6	2812.6	2805.1	2797.6	2779.5	2767.4	2750.9	2735.8
30°	2642.4	2640.9	2636.4	2631.8	2637.8	2637.8	2637.8	2634.9	2624.3	2612.2	2601.7
32.5°	2375.7	2378.8	2384.8	2389.3	2401.3	2414.9	2427.0	2433.0	2433.0	2425.5	2420.9
35°	2057.9	2062.4	2071.5	2083.5	2098.6	2115.1	2142.2	2148.3	2152.7	2152.7	2146.7
37.5°	1727.9	1726.4	1735.5	1746.0	1755.1	1767.1	1786.7	1791.2	1798.7	1795.8	1789.7
40°	1407.0	1399.5	1396.5	1399.5	1410.1	1405.5	1410.1	1407.0	1407.0	1396.5	1396.5
42.5°	1110.3	1101.3	1095.2	1090.7	1090.7	1080.1	1072.6	1065.1	1060.6	1053.0	1051.5
45°	855.7	845.1	837.6	834.6	830.1	816.5	807.5	798.4	787.9	784.9	786.4
47.5°	664.4	653.8	650.8	643.3	635.7	628.2	622.2	611.7	610.1	604.1	610.1
50°	512.2	509.2	504.7	501.6	497.1	491.1	485.1	479.1	476.0	476.0	477.5
52.5°	397.7	399.2	394.7	390.2	387.2	387.2	379.6	378.1	378.1	372.1	378.1
55°	304.3	302.8	304.3	301.3	301.3	296.8	296.8	292.2	292.2	287.7	290.8
57.5°	223.0	226.0	223.0	224.5	227.5	223.0	221.4	216.9	219.9	216.9	218.5
60°	173.3	173.3	173.3	171.8	171.8	170.2	170.2	168.7	168.7	165.7	168.7
62.5°	128.0	129.5	129.5	129.5	131.1	129.5	128.0	129.5	128.0	128.0	129.5
65°	84.4	85.9	85.9	84.4	87.4	84.4	85.9	87.4	88.9	87.4	88.9
67.5°	57.2	57.2	58.8	60.3	58.8	60.3	61.8	60.3	61.8	64.8	61.8
70°	42.2	43.7	43.7	42.2	40.7	42.2	40.7	45.2	45.2	45.2	48.2
72.5°	27.1	27.1	25.6	25.6	25.6	25.6	25.6	30.1	27.1	25.6	28.6
75°	15.1	16.6	16.6	12.0	13.6	16.6	12.0	13.6	18.1	15.1	18.1
77.5°	9.1	9.1	9.1	9.1	9.1	9.1	12.0	10.5	10.5	10.5	12.0
80°	7.5	6.0	6.0	4.5	6.0	6.0	6.0	9.1	7.5	7.5	9.1
82.5°	3.0	3.0	1.5	0.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0
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: P248741

CATALOG NUMBER: LD8B70D010 ER8B709727 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3
2.5°	3082.3	3082.3	3080.8	3077.8	3071.7	3071.7	3070.2	3065.7	3062.7	3061.2	3061.2
5°	3067.2	3061.2	3055.2	3038.6	3038.6	3035.6	3026.6	3020.5	3017.5	3010.0	3007.0
7.5°	3053.7	3035.6	3025.0	3014.5	3001.0	2994.9	2984.3	2979.8	2969.3	2961.8	2957.2
10°	3020.5	3008.5	2994.9	2978.3	2967.8	2955.8	2943.7	2934.7	2921.1	2913.5	2907.5
12.5°	2997.9	2979.8	2967.8	2949.7	2931.6	2921.1	2904.5	2894.0	2880.4	2865.4	2856.3
15°	2976.8	2957.2	2940.7	2921.1	2901.5	2889.5	2869.9	2857.8	2838.3	2823.2	2812.6
17.5°	2945.2	2928.6	2910.6	2886.4	2868.4	2853.3	2832.2	2817.2	2799.1	2779.5	2768.9
20°	2912.0	2892.4	2874.4	2850.3	2832.2	2814.1	2793.0	2776.5	2755.3	2737.3	2725.3
22.5°	2868.4	2845.8	2830.7	2806.6	2785.5	2766.0	2746.4	2726.8	2707.2	2692.1	2678.5
25°	2805.1	2781.0	2764.4	2744.8	2725.3	2710.2	2686.1	2674.1	2654.5	2640.9	2627.3
27.5°	2714.7	2696.6	2681.6	2662.0	2645.4	2633.4	2615.3	2603.2	2586.6	2574.6	2564.1
30°	2582.2	2567.1	2553.5	2533.9	2521.9	2511.3	2494.7	2484.2	2472.2	2458.6	2455.6
32.5°	2404.4	2392.3	2378.8	2365.2	2356.1	2350.1	2336.5	2330.5	2318.5	2310.9	2303.4
35°	2136.2	2125.7	2118.1	2112.1	2109.1	2110.6	2107.6	2113.6	2116.6	2115.1	2116.6
37.5°	1785.2	1779.1	1782.2	1786.7	1801.8	1821.4	1839.4	1866.5	1884.6	1902.7	1919.3
40°	1393.5	1398.0	1410.1	1437.2	1476.4	1520.1	1560.8	1612.0	1663.2	1699.3	1732.5
42.5°	1051.5	1065.1	1095.2	1134.4	1193.2	1257.9	1321.2	1396.5	1458.3	1518.5	1560.8
45°	790.9	809.0	848.2	902.4	967.1	1042.5	1122.4	1206.7	1280.5	1342.3	1389.0
47.5°	616.2	632.7	671.9	729.2	809.0	887.3	970.2	1057.6	1134.4	1194.7	1235.3
50°	486.6	507.7	542.3	602.6	682.5	765.3	851.2	937.0	1009.4	1060.6	1096.7
52.5°	382.7	402.2	435.4	498.7	580.0	662.9	742.7	827.1	890.3	940.0	964.2
55°	296.8	314.9	349.5	402.2	479.1	560.4	640.2	712.6	771.3	807.5	830.1
57.5°	226.0	239.5	263.7	316.4	385.7	461.0	528.8	601.1	646.3	671.9	686.9
60°	171.8	182.3	207.9	248.6	311.8	376.6	433.9	488.1	524.3	545.4	560.4
62.5°	129.5	141.6	159.7	194.3	242.5	295.3	343.5	384.1	414.3	427.9	438.4
65°	88.9	97.9	111.5	138.6	179.3	216.9	254.6	284.7	304.3	319.4	325.4
67.5°	66.3	72.3	79.9	100.9	129.5	159.7	185.3	206.4	227.5	233.5	244.1
70°	49.7	54.3	61.8	76.8	93.4	114.5	135.6	147.6	162.7	173.3	176.3
72.5°	31.6	33.1	40.7	49.7	63.2	76.8	90.4	100.9	110.0	116.0	119.0
75°	18.1	27.1	27.1	36.2	45.2	51.2	60.3	67.8	72.3	76.8	76.8
77.5°	12.0	16.6	18.1	22.6	27.1	34.7	42.2	46.7	51.2	52.7	52.7
80°	10.5	12.0	12.0	16.6	19.6	25.6	30.1	31.6	34.7	36.2	39.2
82.5°	4.5	6.0	7.5	12.0	13.6	13.6	18.1	19.6	22.6	24.1	24.1
85°	1.5	3.0	3.0	4.5	7.5	9.1	10.5	12.0	13.6	13.6	15.1
87.5°	1.5	1.5	0.0	1.5	3.0	3.0	6.0	6.0	6.0	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: P248741

CATALOG NUMBER: LD8B70D010 ER8B709727 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3	3085.3
2.5°	3058.2	3059.7	3053.7	3052.2	3049.1	3050.6	3053.7
5°	3002.5	3003.9	2997.9	2991.9	2991.9	2990.4	2991.9
7.5°	2949.7	2951.2	2942.2	2939.1	2933.1	2934.7	2934.7
10°	2897.0	2897.0	2883.5	2881.9	2877.4	2875.9	2875.9
12.5°	2845.8	2841.2	2830.7	2824.7	2827.7	2818.7	2818.7
15°	2800.6	2793.0	2779.5	2774.9	2767.4	2764.4	2764.4
17.5°	2753.9	2747.8	2735.8	2726.8	2717.7	2716.2	2717.7
20°	2708.7	2702.6	2687.6	2681.6	2674.1	2674.1	2671.0
22.5°	2663.5	2657.4	2643.9	2639.4	2628.8	2628.8	2630.3
25°	2616.8	2612.2	2597.2	2594.2	2592.7	2586.6	2589.7
27.5°	2553.5	2550.5	2538.4	2533.9	2527.9	2526.4	2529.4
30°	2437.5	2433.0	2424.0	2419.4	2408.9	2410.4	2413.4
32.5°	2292.9	2286.9	2274.8	2270.3	2261.3	2258.2	2259.7
35°	2112.1	2107.6	2097.1	2097.1	2088.0	2085.0	2088.0
37.5°	1928.3	1932.8	1928.3	1932.8	1928.3	1926.8	1928.3
40°	1755.1	1771.6	1774.6	1791.2	1785.2	1794.2	1792.7
42.5°	1589.3	1616.4	1627.0	1640.6	1637.6	1643.6	1648.1
45°	1422.1	1444.7	1455.3	1464.3	1465.8	1468.9	1470.3
47.5°	1263.9	1282.0	1283.5	1294.1	1292.6	1292.6	1297.1
50°	1116.3	1128.4	1131.3	1138.9	1132.9	1129.9	1131.3
52.5°	979.2	991.3	988.2	991.3	983.8	980.7	982.2
55°	839.1	845.1	845.1	845.1	836.1	836.1	836.1
57.5°	696.0	697.5	694.5	696.0	694.5	685.4	684.0
60°	565.0	565.0	563.4	565.0	560.4	555.9	555.9
62.5°	441.4	444.4	450.4	444.4	441.4	444.4	439.9
65°	329.9	336.0	334.4	337.5	336.0	336.0	332.9
67.5°	248.6	250.1	251.6	253.1	253.1	253.1	253.1
70°	182.3	186.8	185.3	185.3	185.3	185.3	194.3
72.5°	122.0	128.0	126.6	129.5	129.5	132.6	129.5
75°	82.8	88.9	85.9	90.4	88.9	85.9	93.4
77.5°	55.7	58.8	60.3	61.8	60.3	58.8	60.3
80°	39.2	42.2	40.7	42.2	42.2	42.2	43.7
82.5°	24.1	28.6	27.1	28.6	27.1	28.6	28.6
85°	16.6	18.1	15.1	18.1	16.6	16.6	19.6
87.5°	10.5	9.1	9.1	10.5	9.1	10.5	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)