

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: P248867

Luminaire Tested: **LD8B70D010 ER8B70827 8LBSW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248867  
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 ER8B70827 8LBSW0B  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 2700 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5397.0 lumens  
Efficiency: N/A  
Efficacy: 71.1 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

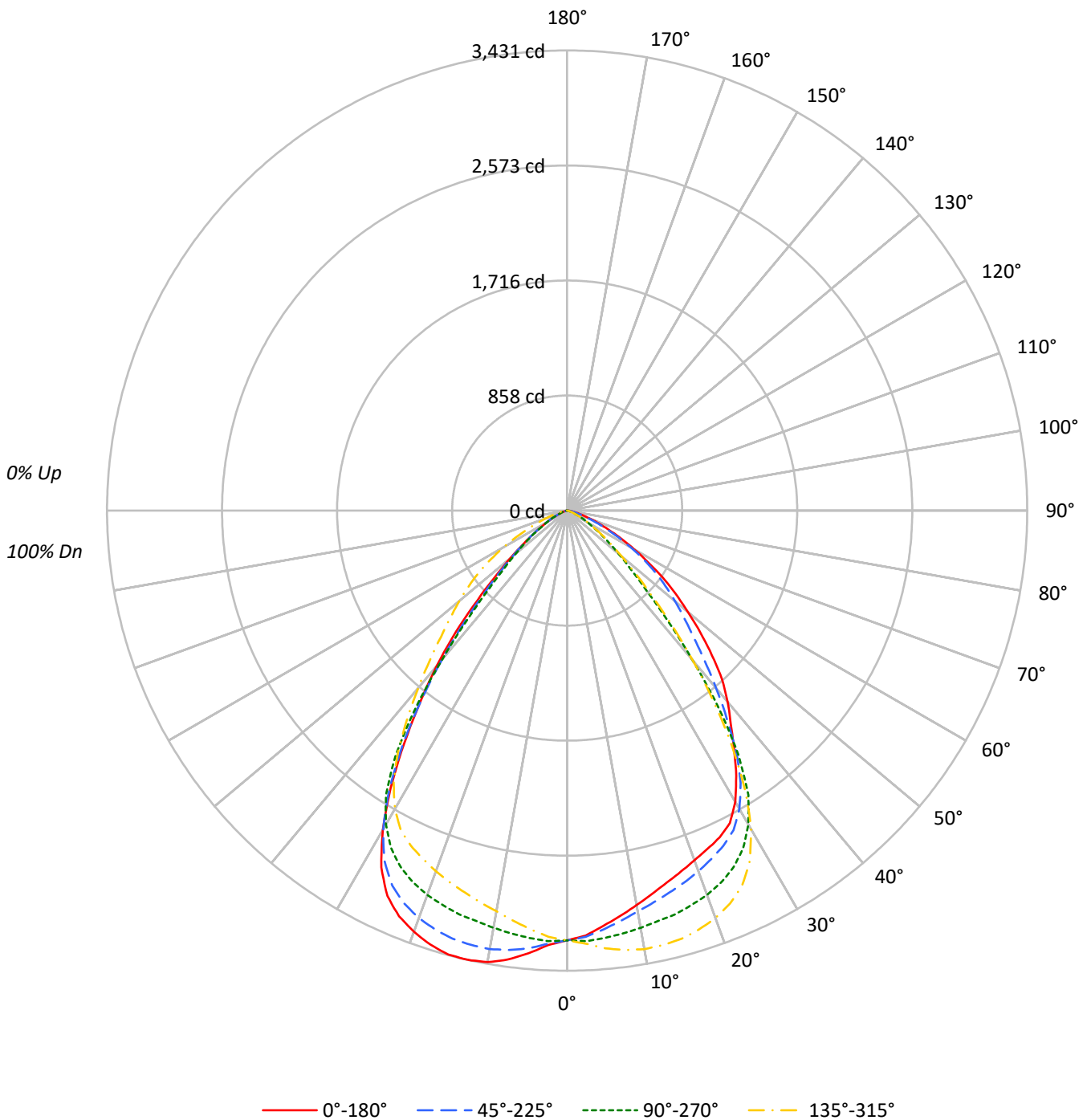
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	98800	98800	98800	98800
5°	96174	99031	102570	99031
10°	93516	98902	107034	98902
15°	91648	99491	109378	99491
20°	91023	100060	109659	100060
25°	91501	99857	107897	99857
30°	89238	96202	97933	96202
35°	81628	83920	79625	83920
40°	74941	58376	60961	58376
45°	66587	35616	41206	35616
50°	56363	23790	26419	23790
55°	46681	16231	17155	16231
60°	35604	10805	10904	10805
65°	25224	6735	6166	6735
70°	18194	4508	4093	4508
75°	11557	2240	1859	2240
80°	8062	1669	1385	1669
85°	7182	0	531	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.0	5.7
10°-20°	883.1	16.4
20°-30°	1337.2	24.8
30°-40°	1340.2	24.8
40°-50°	841.6	15.6
50°-60°	448.5	8.3
60°-70°	184.4	3.4
70°-80°	48.7	0.9
80°-90°	8.2	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°	2525.3	46.8
0°-40°	3865.5	71.6
0°-60°	5155.6	95.5
0°-90°	5397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5397.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3204	3204	3204	3204	3204	
5°	3107	3199	3314	3199	3107	293
15°	2871	3116	3426	3116	2871	812
25°	2689	2935	3171	2935	2689	1233
35°	2168	2229	2115	2229	2168	1358
45°	1527	817	945	817	1527	1174
55°	868	302	319	302	868	774
65°	346	92	84	92	346	359
75°	97	19	16	19	97	110
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°	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0
2.5°	3171.2	3168.0	3166.5	3169.6	3171.2	3177.4	3175.9	3179.0	3179.0	3180.6	3183.7
5°	3107.0	3105.4	3107.0	3107.0	3113.3	3119.5	3118.0	3122.7	3125.8	3133.6	3136.7
7.5°	3047.6	3047.6	3046.0	3052.2	3055.4	3064.8	3063.2	3071.1	3075.8	3083.5	3094.5
10°	2986.6	2986.6	2988.1	2992.8	2994.4	3008.5	3008.5	3019.4	3025.7	3033.5	3047.6
12.5°	2927.1	2927.1	2936.5	2933.4	2939.6	2950.6	2955.3	2966.2	2975.6	2991.3	3005.4
15°	2870.8	2870.8	2873.9	2881.7	2886.4	2900.5	2908.3	2920.9	2931.8	2947.5	2967.8
17.5°	2822.3	2820.8	2822.3	2831.7	2841.1	2853.6	2859.8	2875.5	2886.4	2906.8	2925.6
20°	2773.8	2777.0	2777.0	2784.8	2791.0	2806.6	2812.9	2830.2	2842.6	2861.4	2883.3
22.5°	2731.6	2730.0	2730.0	2741.0	2745.7	2759.7	2766.0	2781.6	2795.7	2811.3	2831.7
25°	2689.3	2686.2	2692.5	2694.0	2697.1	2712.8	2717.5	2728.4	2742.5	2756.6	2777.0
27.5°	2626.7	2623.6	2625.2	2631.4	2636.1	2648.6	2651.8	2662.7	2673.7	2686.2	2703.4
30°	2506.2	2503.2	2501.6	2512.6	2517.3	2526.6	2531.3	2550.1	2553.2	2567.3	2579.8
32.5°	2346.7	2345.1	2348.3	2357.6	2362.3	2374.9	2381.1	2392.1	2399.9	2407.7	2420.2
35°	2168.4	2165.2	2168.4	2177.8	2177.8	2188.7	2193.4	2198.1	2196.5	2198.1	2195.0
37.5°	2002.5	2000.9	2002.5	2007.2	2002.5	2007.2	2002.5	1993.1	1976.0	1957.2	1938.3
40°	1861.7	1863.3	1853.9	1860.2	1842.9	1839.8	1822.6	1799.1	1764.7	1727.2	1674.0
42.5°	1711.5	1706.8	1700.6	1703.7	1689.7	1678.6	1650.5	1620.8	1577.0	1514.4	1450.2
45°	1526.9	1525.4	1522.2	1520.7	1511.3	1500.3	1476.8	1442.4	1394.0	1329.8	1253.1
47.5°	1347.0	1342.3	1342.3	1343.9	1332.9	1331.4	1312.6	1282.9	1240.6	1178.0	1098.3
50°	1174.9	1173.3	1176.5	1182.7	1174.9	1171.8	1159.3	1139.0	1101.4	1048.2	973.1
52.5°	1020.0	1018.5	1021.6	1029.4	1026.3	1029.4	1016.9	1001.3	976.2	924.6	858.9
55°	868.3	868.3	868.3	877.6	877.6	877.6	871.4	862.1	838.5	801.0	740.0
57.5°	710.3	711.8	721.2	722.8	721.2	724.4	722.8	713.4	697.8	671.2	624.2
60°	577.3	577.3	582.0	586.7	585.1	586.7	586.7	582.0	566.4	544.5	506.9
62.5°	456.8	461.5	458.4	461.5	467.8	461.5	458.4	455.3	444.3	430.2	398.9
65°	345.7	348.9	348.9	350.4	347.3	348.9	342.6	337.9	331.7	316.0	295.7
67.5°	262.9	262.9	262.9	262.9	261.2	259.7	258.2	253.5	242.5	236.3	214.3
70°	201.8	192.4	192.4	192.4	192.4	194.0	189.3	183.1	179.9	169.0	153.3
72.5°	134.5	137.7	134.5	134.5	131.4	133.0	126.7	123.6	120.5	114.2	104.8
75°	97.0	89.2	92.3	93.9	89.2	92.3	86.0	79.8	79.8	75.1	70.4
77.5°	62.6	61.0	62.6	64.1	62.6	61.0	57.9	54.7	54.7	53.2	48.5
80°	45.4	43.8	43.8	43.8	42.2	43.8	40.7	40.7	37.5	36.0	32.8
82.5°	29.8	29.8	28.1	29.8	28.1	29.8	25.0	25.0	25.0	23.4	20.3
85°	20.3	17.2	17.2	18.8	15.6	18.8	17.2	15.6	14.1	14.1	12.5
87.5°	9.4	10.9	9.4	10.9	9.4	9.4	10.9	9.4	9.4	6.2	6.2
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°	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0
2.5°	3188.4	3189.9	3189.9	3196.2	3199.3	3200.9	3200.9	3213.4	3208.7	3211.9	3215.0
5°	3143.0	3152.4	3155.5	3155.5	3172.7	3179.0	3185.2	3199.3	3200.9	3210.3	3221.2
7.5°	3099.2	3110.1	3116.5	3130.5	3141.4	3152.4	3171.2	3180.6	3189.9	3202.5	3216.5
10°	3057.0	3069.5	3082.0	3092.9	3110.1	3124.2	3136.7	3158.6	3169.6	3186.8	3205.6
12.5°	3016.3	3033.5	3044.5	3063.2	3082.0	3094.5	3113.3	3133.6	3150.8	3168.0	3189.9
15°	2980.3	3000.7	3013.2	3033.5	3053.9	3071.1	3091.4	3116.5	3128.9	3149.3	3169.6
17.5°	2941.2	2963.1	2978.8	2997.5	3022.6	3041.3	3058.6	3083.5	3099.2	3121.1	3144.6
20°	2900.5	2922.4	2941.2	2960.0	2985.0	3003.8	3024.1	3049.2	3066.4	3088.2	3107.0
22.5°	2852.0	2872.4	2892.7	2914.6	2939.6	2955.3	2978.8	3000.7	3019.4	3039.8	3058.6
25°	2789.5	2814.5	2830.2	2850.4	2870.8	2888.0	2913.0	2934.9	2950.6	2969.4	2986.6
27.5°	2715.9	2734.7	2747.2	2764.4	2784.8	2800.4	2819.1	2841.1	2856.7	2873.9	2886.4
30°	2590.7	2608.0	2618.9	2631.4	2651.8	2665.9	2681.5	2701.8	2712.8	2725.3	2736.3
32.5°	2426.5	2440.6	2446.8	2456.2	2470.3	2484.4	2496.9	2514.1	2518.8	2526.6	2526.6
35°	2188.7	2191.8	2190.3	2193.4	2199.7	2207.5	2218.4	2229.3	2235.6	2235.6	2231.0
37.5°	1910.2	1891.5	1871.1	1855.5	1850.8	1847.6	1853.9	1858.6	1864.9	1868.0	1860.2
40°	1620.8	1578.6	1533.2	1492.5	1464.3	1451.8	1447.1	1450.2	1450.2	1461.2	1461.2
42.5°	1372.1	1306.3	1239.1	1178.0	1137.3	1106.1	1092.0	1092.0	1093.6	1101.4	1106.1
45°	1165.5	1082.6	1004.4	937.1	880.8	840.1	821.4	816.7	815.1	818.2	829.1
47.5°	1007.5	921.5	840.1	757.2	697.8	657.1	639.9	633.6	627.3	633.6	635.2
50°	883.9	794.8	708.7	625.8	563.2	527.2	505.3	495.9	494.4	494.4	497.5
52.5°	771.3	688.4	602.3	517.9	452.1	417.7	397.4	392.7	386.4	392.7	392.7
55°	664.9	582.0	497.5	417.7	362.9	327.0	308.2	301.9	298.8	303.5	303.5
57.5°	549.2	478.7	400.5	328.5	273.8	248.8	234.7	226.9	225.3	228.4	225.3
60°	450.6	391.1	323.8	258.2	215.9	189.3	178.4	175.2	172.1	175.2	175.2
62.5°	356.7	306.6	251.8	201.8	165.8	147.1	134.5	134.5	133.0	133.0	134.5
65°	264.4	225.3	186.2	143.9	115.8	101.7	92.3	92.3	90.7	92.3	90.7
67.5°	192.4	165.8	134.5	104.8	82.9	75.1	68.8	64.1	67.3	64.1	62.6
70°	140.8	118.9	97.0	79.8	64.1	56.3	51.6	50.0	46.9	46.9	46.9
72.5°	93.9	79.8	65.7	51.6	42.2	34.4	32.8	29.8	26.6	28.1	31.3
75°	62.6	53.2	46.9	37.5	28.1	28.1	18.8	18.8	15.6	18.8	14.1
77.5°	43.8	36.0	28.1	23.4	18.8	17.2	12.5	12.5	10.9	10.9	10.9
80°	31.3	26.6	20.3	17.2	12.5	12.5	10.9	9.4	7.8	7.8	9.4
82.5°	18.8	14.1	14.1	12.5	7.8	6.2	4.7	6.2	3.2	3.2	3.2
85°	10.9	9.4	7.8	4.7	3.2	3.2	1.5	0.0	1.5	1.5	0.0
87.5°	6.2	3.2	3.2	1.5	0.0	1.5	1.5	0.0	0.0	0.0	3.2
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°	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0
2.5°	3222.8	3221.2	3224.4	3224.4	3233.8	3232.2	3236.9	3236.9	3233.8	3235.3	3241.6
5°	3233.8	3238.5	3247.8	3255.7	3269.7	3276.0	3283.8	3291.7	3293.2	3297.9	3302.6
7.5°	3233.8	3249.4	3260.4	3274.4	3293.2	3304.2	3321.4	3335.5	3341.7	3349.5	3358.9
10°	3227.5	3243.1	3263.5	3279.1	3302.6	3319.8	3337.0	3358.9	3368.3	3380.8	3393.3
12.5°	3215.0	3232.2	3254.1	3274.4	3301.0	3316.7	3338.5	3358.9	3373.0	3390.2	3404.3
15°	3196.2	3216.5	3236.9	3257.2	3285.4	3304.2	3324.5	3348.0	3362.1	3380.8	3393.3
17.5°	3166.5	3188.4	3207.2	3225.9	3252.5	3274.4	3293.2	3315.1	3329.2	3344.9	3362.1
20°	3130.5	3150.8	3171.2	3186.8	3213.4	3232.2	3252.5	3272.9	3283.8	3287.0	3313.6
22.5°	3085.2	3099.2	3114.8	3139.9	3155.5	3172.7	3191.5	3210.3	3221.2	3238.5	3247.8
25°	3010.0	3024.1	3041.3	3052.2	3071.1	3085.2	3103.9	3124.2	3130.5	3143.0	3152.4
27.5°	2905.2	2913.0	2920.9	2930.2	2941.2	2949.0	2960.0	2969.4	2975.6	2981.9	2988.1
30°	2739.4	2739.4	2739.4	2733.1	2737.8	2742.5	2744.1	2742.5	2742.5	2741.0	2741.0
32.5°	2520.3	2507.9	2493.8	2481.3	2476.6	2470.3	2467.2	2462.5	2454.7	2450.0	2451.5
35°	2224.6	2196.5	2179.3	2163.7	2151.2	2141.8	2137.1	2132.4	2130.8	2124.6	2118.3
37.5°	1855.5	1835.1	1822.6	1813.2	1802.3	1792.9	1794.4	1796.0	1800.7	1797.6	1799.1
40°	1464.3	1459.6	1464.3	1453.4	1450.2	1453.4	1461.2	1472.2	1478.4	1484.7	1495.6
42.5°	1113.9	1121.7	1132.7	1132.7	1137.3	1143.7	1153.0	1170.2	1179.6	1190.5	1203.1
45°	838.5	848.0	862.1	866.7	869.8	877.6	888.6	902.7	908.9	918.3	929.3
47.5°	646.1	652.4	660.2	668.0	675.8	679.0	689.9	689.9	697.8	704.0	707.1
50°	503.8	510.0	516.3	521.0	524.1	528.8	531.9	536.6	538.1	541.3	542.8
52.5°	394.2	402.1	402.1	405.2	409.9	414.6	413.0	414.6	416.1	416.1	420.8
55°	308.2	308.2	312.9	312.9	316.0	314.4	316.0	316.0	316.0	316.0	317.6
57.5°	230.0	231.6	236.3	233.1	231.6	234.7	231.6	234.7	233.1	236.3	231.6
60°	176.8	176.8	178.4	178.4	179.9	179.9	179.9	178.4	178.4	176.8	176.8
62.5°	133.0	134.5	136.1	134.5	134.5	134.5	133.0	133.0	131.4	129.8	129.8
65°	89.2	87.6	90.7	87.6	89.2	89.2	87.6	89.2	84.5	86.0	84.5
67.5°	64.1	62.6	61.0	62.6	61.0	59.4	59.4	61.0	62.6	57.9	57.9
70°	42.2	43.8	42.2	43.8	45.4	45.4	43.8	42.2	43.8	40.7	42.2
72.5°	26.6	26.6	26.6	26.6	26.6	28.1	28.1	28.1	25.0	25.0	23.4
75°	12.5	17.2	14.1	12.5	17.2	17.2	15.6	15.6	14.1	14.1	14.1
77.5°	12.5	9.4	9.4	9.4	9.4	9.4	9.4	9.4	7.8	9.4	7.8
80°	6.2	6.2	6.2	4.7	6.2	6.2	7.8	6.2	6.2	4.7	7.8
82.5°	3.2	3.2	3.2	0.0	1.5	3.2	3.2	1.5	3.2	3.2	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: P248867

CATALOG NUMBER: LD8B70D010 ER8B70827 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0
2.5°	3240.0	3238.5	3240.0	3241.6	3240.0	3238.5	3240.0	3241.6	3235.3	3233.8	3236.9
5°	3308.9	3308.9	3312.0	3313.6	3312.0	3308.9	3308.9	3302.6	3297.9	3293.2	3291.7
7.5°	3368.3	3371.5	3374.5	3376.1	3374.5	3371.5	3368.3	3358.9	3349.5	3341.7	3335.5
10°	3404.3	3409.0	3415.2	3418.3	3415.2	3409.0	3404.3	3393.3	3380.8	3368.3	3358.9
12.5°	3419.9	3424.6	3432.4	3430.9	3432.4	3424.6	3419.9	3404.3	3390.2	3373.0	3358.9
15°	3409.0	3415.2	3423.0	3426.2	3423.0	3415.2	3409.0	3393.3	3380.8	3362.1	3348.0
17.5°	3374.5	3383.9	3388.6	3393.3	3388.6	3383.9	3374.5	3362.1	3344.9	3329.2	3315.1
20°	3327.6	3333.9	3340.2	3341.7	3340.2	3333.9	3327.6	3313.6	3287.0	3283.8	3272.9
22.5°	3260.4	3265.1	3279.1	3274.4	3279.1	3265.1	3260.4	3247.8	3238.5	3221.2	3210.3
25°	3163.3	3168.0	3169.6	3171.2	3169.6	3168.0	3163.3	3152.4	3143.0	3130.5	3124.2
27.5°	2996.0	2996.0	2999.1	3000.7	2999.1	2996.0	2996.0	2988.1	2981.9	2975.6	2969.4
30°	2742.5	2742.5	2742.5	2750.4	2742.5	2742.5	2742.5	2741.0	2741.0	2742.5	2742.5
32.5°	2450.0	2446.8	2443.7	2446.8	2443.7	2446.8	2450.0	2451.5	2450.0	2454.7	2462.5
35°	2118.3	2116.7	2121.4	2115.2	2121.4	2116.7	2118.3	2118.3	2124.6	2130.8	2132.4
37.5°	1800.7	1797.6	1803.8	1797.6	1803.8	1797.6	1800.7	1799.1	1797.6	1800.7	1796.0
40°	1498.8	1501.9	1501.9	1514.4	1501.9	1501.9	1498.8	1495.6	1484.7	1478.4	1472.2
42.5°	1209.3	1218.7	1215.6	1225.0	1215.6	1218.7	1209.3	1203.1	1190.5	1179.6	1170.2
45°	935.5	941.8	941.8	944.9	941.8	941.8	935.5	929.3	918.3	908.9	902.7
47.5°	718.1	718.1	718.1	719.7	718.1	718.1	718.1	707.1	704.0	697.8	689.9
50°	546.0	547.5	549.2	550.7	549.2	547.5	546.0	542.8	541.3	538.1	536.6
52.5°	419.3	420.8	417.7	420.8	417.7	420.8	419.3	420.8	416.1	416.1	414.6
55°	317.6	316.0	317.6	319.1	317.6	316.0	317.6	317.6	316.0	316.0	316.0
57.5°	233.1	230.0	230.0	230.0	230.0	230.0	233.1	231.6	236.3	233.1	234.7
60°	173.7	175.2	175.2	176.8	175.2	175.2	173.7	176.8	176.8	178.4	178.4
62.5°	128.3	133.0	129.8	133.0	129.8	133.0	128.3	129.8	129.8	131.4	133.0
65°	82.9	82.9	82.9	84.5	82.9	82.9	82.9	84.5	86.0	84.5	89.2
67.5°	56.3	57.9	61.0	59.4	61.0	57.9	56.3	57.9	57.9	62.6	61.0
70°	45.4	40.7	40.7	45.4	40.7	40.7	45.4	42.2	40.7	43.8	42.2
72.5°	26.6	23.4	26.6	26.6	26.6	23.4	26.6	23.4	25.0	25.0	28.1
75°	14.1	12.5	10.9	15.6	10.9	12.5	14.1	14.1	14.1	14.1	15.6
77.5°	9.4	7.8	10.9	10.9	10.9	7.8	9.4	7.8	9.4	7.8	9.4
80°	4.7	6.2	4.7	7.8	4.7	6.2	4.7	7.8	4.7	6.2	6.2
82.5°	1.5	3.2	3.2	3.2	3.2	3.2	1.5	1.5	3.2	3.2	1.5
85°	0.0	3.2	1.5	1.5	1.5	3.2	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: P248867

CATALOG NUMBER: LD8B70D010 ER8B70827 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0
2.5°	3236.9	3232.2	3233.8	3224.4	3224.4	3221.2	3222.8	3215.0	3211.9	3208.7	3213.4
5°	3283.8	3276.0	3269.7	3255.7	3247.8	3238.5	3233.8	3221.2	3210.3	3200.9	3199.3
7.5°	3321.4	3304.2	3293.2	3274.4	3260.4	3249.4	3233.8	3216.5	3202.5	3189.9	3180.6
10°	3337.0	3319.8	3302.6	3279.1	3263.5	3243.1	3227.5	3205.6	3186.8	3169.6	3158.6
12.5°	3338.5	3316.7	3301.0	3274.4	3254.1	3232.2	3215.0	3189.9	3168.0	3150.8	3133.6
15°	3324.5	3304.2	3285.4	3257.2	3236.9	3216.5	3196.2	3169.6	3149.3	3128.9	3116.5
17.5°	3293.2	3274.4	3252.5	3225.9	3207.2	3188.4	3166.5	3144.6	3121.1	3099.2	3083.5
20°	3252.5	3232.2	3213.4	3186.8	3171.2	3150.8	3130.5	3107.0	3088.2	3066.4	3049.2
22.5°	3191.5	3172.7	3155.5	3139.9	3114.8	3099.2	3085.2	3058.6	3039.8	3019.4	3000.7
25°	3103.9	3085.2	3071.1	3052.2	3041.3	3024.1	3010.0	2986.6	2969.4	2950.6	2934.9
27.5°	2960.0	2949.0	2941.2	2930.2	2920.9	2913.0	2905.2	2886.4	2873.9	2856.7	2841.1
30°	2744.1	2742.5	2737.8	2733.1	2739.4	2739.4	2739.4	2736.3	2725.3	2712.8	2701.8
32.5°	2467.2	2470.3	2476.6	2481.3	2493.8	2507.9	2520.3	2526.6	2526.6	2518.8	2514.1
35°	2137.1	2141.8	2151.2	2163.7	2179.3	2196.5	2224.6	2231.0	2235.6	2235.6	2229.3
37.5°	1794.4	1792.9	1802.3	1813.2	1822.6	1835.1	1855.5	1860.2	1868.0	1864.9	1858.6
40°	1461.2	1453.4	1450.2	1453.4	1464.3	1459.6	1464.3	1461.2	1461.2	1450.2	1450.2
42.5°	1153.0	1143.7	1137.3	1132.7	1132.7	1121.7	1113.9	1106.1	1101.4	1093.6	1092.0
45°	888.6	877.6	869.8	866.7	862.1	848.0	838.5	829.1	818.2	815.1	816.7
47.5°	689.9	679.0	675.8	668.0	660.2	652.4	646.1	635.2	633.6	627.3	633.6
50°	531.9	528.8	524.1	521.0	516.3	510.0	503.8	497.5	494.4	494.4	495.9
52.5°	413.0	414.6	409.9	405.2	402.1	402.1	394.2	392.7	392.7	386.4	392.7
55°	316.0	314.4	316.0	312.9	312.9	308.2	308.2	303.5	303.5	298.8	301.9
57.5°	231.6	234.7	231.6	233.1	236.3	231.6	230.0	225.3	228.4	225.3	226.9
60°	179.9	179.9	179.9	178.4	178.4	176.8	176.8	175.2	175.2	172.1	175.2
62.5°	133.0	134.5	134.5	134.5	136.1	134.5	133.0	134.5	133.0	133.0	134.5
65°	87.6	89.2	89.2	87.6	90.7	87.6	89.2	90.7	92.3	90.7	92.3
67.5°	59.4	59.4	61.0	62.6	61.0	62.6	64.1	62.6	64.1	67.3	64.1
70°	43.8	45.4	45.4	43.8	42.2	43.8	42.2	46.9	46.9	46.9	50.0
72.5°	28.1	28.1	26.6	26.6	26.6	26.6	26.6	31.3	28.1	26.6	29.8
75°	15.6	17.2	17.2	12.5	14.1	17.2	12.5	14.1	18.8	15.6	18.8
77.5°	9.4	9.4	9.4	9.4	9.4	9.4	12.5	10.9	10.9	10.9	12.5
80°	7.8	6.2	6.2	4.7	6.2	6.2	6.2	9.4	7.8	7.8	9.4
82.5°	3.2	3.2	1.5	0.0	3.2	3.2	3.2	3.2	3.2	3.2	6.2
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	3.2	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: P248867

CATALOG NUMBER: LD8B70D010 ER8B70827 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0
2.5°	3200.9	3200.9	3199.3	3196.2	3189.9	3189.9	3188.4	3183.7	3180.6	3179.0	3179.0
5°	3185.2	3179.0	3172.7	3155.5	3155.5	3152.4	3143.0	3136.7	3133.6	3125.8	3122.7
7.5°	3171.2	3152.4	3141.4	3130.5	3116.5	3110.1	3099.2	3094.5	3083.5	3075.8	3071.1
10°	3136.7	3124.2	3110.1	3092.9	3082.0	3069.5	3057.0	3047.6	3033.5	3025.7	3019.4
12.5°	3113.3	3094.5	3082.0	3063.2	3044.5	3033.5	3016.3	3005.4	2991.3	2975.6	2966.2
15°	3091.4	3071.1	3053.9	3033.5	3013.2	3000.7	2980.3	2967.8	2947.5	2931.8	2920.9
17.5°	3058.6	3041.3	3022.6	2997.5	2978.8	2963.1	2941.2	2925.6	2906.8	2886.4	2875.5
20°	3024.1	3003.8	2985.0	2960.0	2941.2	2922.4	2900.5	2883.3	2861.4	2842.6	2830.2
22.5°	2978.8	2955.3	2939.6	2914.6	2892.7	2872.4	2852.0	2831.7	2811.3	2795.7	2781.6
25°	2913.0	2888.0	2870.8	2850.4	2830.2	2814.5	2789.5	2777.0	2756.6	2742.5	2728.4
27.5°	2819.1	2800.4	2784.8	2764.4	2747.2	2734.7	2715.9	2703.4	2686.2	2673.7	2662.7
30°	2681.5	2665.9	2651.8	2631.4	2618.9	2608.0	2590.7	2579.8	2567.3	2553.2	2550.1
32.5°	2496.9	2484.4	2470.3	2456.2	2446.8	2440.6	2426.5	2420.2	2407.7	2399.9	2392.1
35°	2218.4	2207.5	2199.7	2193.4	2190.3	2191.8	2188.7	2195.0	2198.1	2196.5	2198.1
37.5°	1853.9	1847.6	1850.8	1855.5	1871.1	1891.5	1910.2	1938.3	1957.2	1976.0	1993.1
40°	1447.1	1451.8	1464.3	1492.5	1533.2	1578.6	1620.8	1674.0	1727.2	1764.7	1799.1
42.5°	1092.0	1106.1	1137.3	1178.0	1239.1	1306.3	1372.1	1450.2	1514.4	1577.0	1620.8
45°	821.4	840.1	880.8	937.1	1004.4	1082.6	1165.5	1253.1	1329.8	1394.0	1442.4
47.5°	639.9	657.1	697.8	757.2	840.1	921.5	1007.5	1098.3	1178.0	1240.6	1282.9
50°	505.3	527.2	563.2	625.8	708.7	794.8	883.9	973.1	1048.2	1101.4	1139.0
52.5°	397.4	417.7	452.1	517.9	602.3	688.4	771.3	858.9	924.6	976.2	1001.3
55°	308.2	327.0	362.9	417.7	497.5	582.0	664.9	740.0	801.0	838.5	862.1
57.5°	234.7	248.8	273.8	328.5	400.5	478.7	549.2	624.2	671.2	697.8	713.4
60°	178.4	189.3	215.9	258.2	323.8	391.1	450.6	506.9	544.5	566.4	582.0
62.5°	134.5	147.1	165.8	201.8	251.8	306.6	356.7	398.9	430.2	444.3	455.3
65°	92.3	101.7	115.8	143.9	186.2	225.3	264.4	295.7	316.0	331.7	337.9
67.5°	68.8	75.1	82.9	104.8	134.5	165.8	192.4	214.3	236.3	242.5	253.5
70°	51.6	56.3	64.1	79.8	97.0	118.9	140.8	153.3	169.0	179.9	183.1
72.5°	32.8	34.4	42.2	51.6	65.7	79.8	93.9	104.8	114.2	120.5	123.6
75°	18.8	28.1	28.1	37.5	46.9	53.2	62.6	70.4	75.1	79.8	79.8
77.5°	12.5	17.2	18.8	23.4	28.1	36.0	43.8	48.5	53.2	54.7	54.7
80°	10.9	12.5	12.5	17.2	20.3	26.6	31.3	32.8	36.0	37.5	40.7
82.5°	4.7	6.2	7.8	12.5	14.1	14.1	18.8	20.3	23.4	25.0	25.0
85°	1.5	3.2	3.2	4.7	7.8	9.4	10.9	12.5	14.1	14.1	15.6
87.5°	1.5	1.5	0.0	1.5	3.2	3.2	6.2	6.2	6.2	9.4	9.4
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: P248867

CATALOG NUMBER: LD8B70D010 ER8B70827 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0	3204.0
2.5°	3175.9	3177.4	3171.2	3169.6	3166.5	3168.0	3171.2
5°	3118.0	3119.5	3113.3	3107.0	3107.0	3105.4	3107.0
7.5°	3063.2	3064.8	3055.4	3052.2	3046.0	3047.6	3047.6
10°	3008.5	3008.5	2994.4	2992.8	2988.1	2986.6	2986.6
12.5°	2955.3	2950.6	2939.6	2933.4	2936.5	2927.1	2927.1
15°	2908.3	2900.5	2886.4	2881.7	2873.9	2870.8	2870.8
17.5°	2859.8	2853.6	2841.1	2831.7	2822.3	2820.8	2822.3
20°	2812.9	2806.6	2791.0	2784.8	2777.0	2777.0	2773.8
22.5°	2766.0	2759.7	2745.7	2741.0	2730.0	2730.0	2731.6
25°	2717.5	2712.8	2697.1	2694.0	2692.5	2686.2	2689.3
27.5°	2651.8	2648.6	2636.1	2631.4	2625.2	2623.6	2626.7
30°	2531.3	2526.6	2517.3	2512.6	2501.6	2503.2	2506.2
32.5°	2381.1	2374.9	2362.3	2357.6	2348.3	2345.1	2346.7
35°	2193.4	2188.7	2177.8	2177.8	2168.4	2165.2	2168.4
37.5°	2002.5	2007.2	2002.5	2007.2	2002.5	2000.9	2002.5
40°	1822.6	1839.8	1842.9	1860.2	1853.9	1863.3	1861.7
42.5°	1650.5	1678.6	1689.7	1703.7	1700.6	1706.8	1711.5
45°	1476.8	1500.3	1511.3	1520.7	1522.2	1525.4	1526.9
47.5°	1312.6	1331.4	1332.9	1343.9	1342.3	1342.3	1347.0
50°	1159.3	1171.8	1174.9	1182.7	1176.5	1173.3	1174.9
52.5°	1016.9	1029.4	1026.3	1029.4	1021.6	1018.5	1020.0
55°	871.4	877.6	877.6	877.6	868.3	868.3	868.3
57.5°	722.8	724.4	721.2	722.8	721.2	711.8	710.3
60°	586.7	586.7	585.1	586.7	582.0	577.3	577.3
62.5°	458.4	461.5	467.8	461.5	458.4	461.5	456.8
65°	342.6	348.9	347.3	350.4	348.9	348.9	345.7
67.5°	258.2	259.7	261.2	262.9	262.9	262.9	262.9
70°	189.3	194.0	192.4	192.4	192.4	192.4	201.8
72.5°	126.7	133.0	131.4	134.5	134.5	137.7	134.5
75°	86.0	92.3	89.2	93.9	92.3	89.2	97.0
77.5°	57.9	61.0	62.6	64.1	62.6	61.0	62.6
80°	40.7	43.8	42.2	43.8	43.8	43.8	45.4
82.5°	25.0	29.8	28.1	29.8	28.1	29.8	29.8
85°	17.2	18.8	15.6	18.8	17.2	17.2	20.3
87.5°	10.9	9.4	9.4	10.9	9.4	10.9	9.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)