

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: P248605

Luminaire Tested: **LD8B60D010 ER8B60935 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248605  
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: LD8B60D010 ER8B60935 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5319.0 lumens  
Efficiency: N/A  
Efficacy: 89.4 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

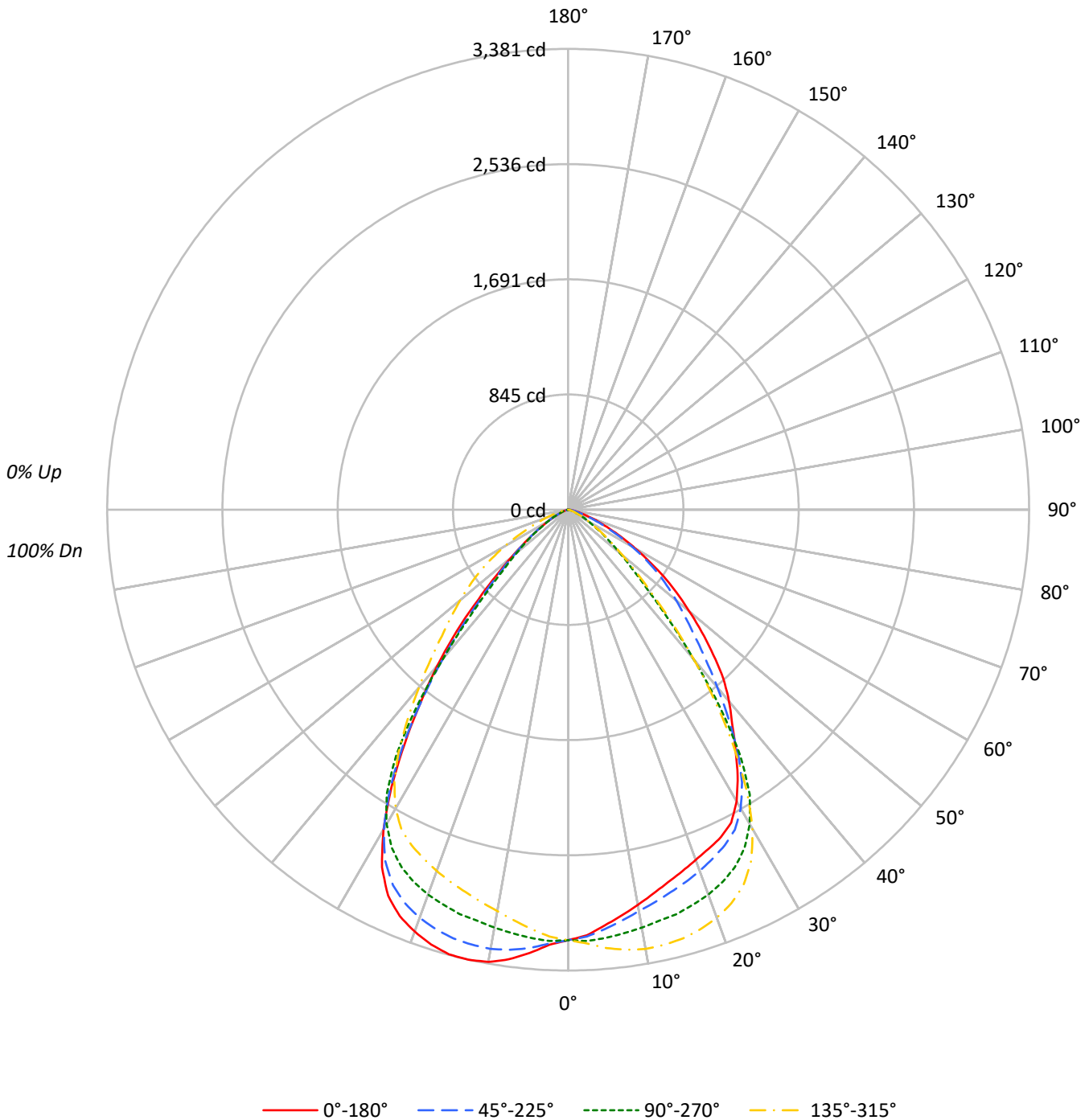
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	97372	97372	97372	97372
5°	94785	97601	101087	97601
10°	92164	97474	105487	97474
15°	90323	98052	107798	98052
20°	89707	98613	108074	98613
25°	90181	98415	106339	98415
30°	87949	94814	96516	94814
35°	80446	82708	78473	82708
40°	73858	57535	60079	57535
45°	65627	35101	40613	35101
50°	55548	23444	26035	23444
55°	46009	15999	16908	15999
60°	35092	10651	10743	10651
65°	24859	6633	6078	6633
70°	17933	4445	4030	4445
75°	11390	2204	1835	2204
80°	7938	1651	1367	1651
85°	7112	0	531	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	300.6	5.7
10°-20°	870.4	16.4
20°-30°	1317.9	24.8
30°-40°	1320.9	24.8
40°-50°	829.4	15.6
50°-60°	442.0	8.3
60°-70°	181.8	3.4
70°-80°	48.0	0.9
80°-90°	8.1	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°	2488.8	46.8
0°-40°	3809.7	71.6
0°-60°	5081.1	95.5
0°-90°	5319.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5319.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3158	3158	3158	3158	3158	
5°	3062	3153	3266	3153	3062	289
15°	2829	3071	3377	3071	2829	800
25°	2650	2892	3125	2892	2650	1216
35°	2137	2197	2085	2197	2137	1339
45°	1505	805	931	805	1505	1157
55°	856	298	314	298	856	763
65°	341	91	83	91	341	353
75°	96	18	15	18	96	108
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°	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7
2.5°	3125.4	3122.2	3120.7	3123.8	3125.4	3131.5	3130.0	3133.0	3133.0	3134.6	3137.7
5°	3062.1	3060.6	3062.1	3062.1	3068.3	3074.5	3072.9	3077.6	3080.6	3088.4	3091.4
7.5°	3003.6	3003.6	3002.0	3008.1	3011.2	3020.5	3018.9	3026.7	3031.3	3039.0	3049.8
10°	2943.4	2943.4	2944.9	2949.6	2951.1	2965.0	2965.0	2975.8	2981.9	2989.7	3003.6
12.5°	2884.8	2884.8	2894.1	2891.0	2897.1	2907.9	2912.6	2923.3	2932.6	2948.0	2961.9
15°	2829.3	2829.3	2832.4	2840.1	2844.7	2858.6	2866.3	2878.7	2889.5	2904.9	2924.9
17.5°	2781.5	2780.0	2781.5	2790.8	2800.0	2812.3	2818.5	2833.9	2844.7	2864.8	2883.3
20°	2733.7	2736.8	2736.8	2744.5	2750.7	2766.1	2772.2	2789.2	2801.6	2820.0	2841.7
22.5°	2692.1	2690.6	2690.6	2701.4	2706.0	2719.8	2726.0	2741.4	2755.3	2770.7	2790.8
25°	2650.5	2647.3	2653.6	2655.1	2658.1	2673.6	2678.2	2689.0	2702.9	2716.8	2736.8
27.5°	2588.8	2585.7	2587.2	2593.4	2598.0	2610.3	2613.5	2624.2	2635.0	2647.3	2664.4
30°	2470.0	2467.0	2465.5	2476.2	2480.9	2490.1	2494.7	2513.2	2516.3	2530.2	2542.5
32.5°	2312.8	2311.2	2314.3	2323.5	2328.2	2340.6	2346.7	2357.5	2365.2	2372.9	2385.2
35°	2137.0	2133.9	2137.0	2146.3	2146.3	2157.1	2161.7	2166.3	2164.8	2166.3	2163.2
37.5°	1973.6	1972.0	1973.6	1978.2	1973.6	1978.2	1973.6	1964.3	1947.4	1928.9	1910.3
40°	1834.8	1836.3	1827.1	1833.3	1816.3	1813.2	1796.3	1773.1	1739.2	1702.2	1649.8
42.5°	1686.8	1682.2	1676.0	1679.1	1665.2	1654.4	1626.6	1597.4	1554.2	1492.5	1429.3
45°	1504.9	1503.3	1500.2	1498.7	1489.4	1478.7	1455.5	1421.6	1373.8	1310.6	1235.0
47.5°	1327.5	1322.9	1322.9	1324.4	1313.6	1312.1	1293.6	1264.3	1222.7	1161.0	1082.4
50°	1157.9	1156.4	1159.5	1165.6	1157.9	1154.9	1142.5	1122.5	1085.5	1033.1	959.0
52.5°	1005.3	1003.7	1006.9	1014.5	1011.4	1014.5	1002.2	986.8	962.1	911.2	846.5
55°	855.8	855.8	855.8	865.0	865.0	865.0	858.8	849.6	826.4	789.4	729.3
57.5°	700.0	701.5	710.8	712.3	710.8	713.9	712.3	703.1	687.7	661.5	615.2
60°	569.0	569.0	573.6	578.2	576.6	578.2	578.2	573.6	558.2	536.6	499.6
62.5°	450.2	454.8	451.7	454.8	461.0	454.8	451.7	448.7	437.9	424.0	393.2
65°	340.7	343.8	343.8	345.4	342.3	343.8	337.7	333.1	326.9	311.5	291.4
67.5°	259.1	259.1	259.1	259.1	257.5	256.0	254.4	249.8	239.0	232.8	211.2
70°	198.9	189.6	189.6	189.6	189.6	191.2	186.6	180.4	177.3	166.5	151.1
72.5°	132.6	135.7	132.6	132.6	129.5	131.1	124.9	121.8	118.7	112.6	103.3
75°	95.6	87.9	90.9	92.5	87.9	90.9	84.8	78.6	78.6	74.0	69.4
77.5°	61.7	60.2	61.7	63.2	61.7	60.2	57.1	53.9	53.9	52.4	47.8
80°	44.7	43.2	43.2	43.2	41.6	43.2	40.1	40.1	37.0	35.5	32.4
82.5°	29.3	29.3	27.7	29.3	27.7	29.3	24.7	24.7	24.7	23.1	20.1
85°	20.1	16.9	16.9	18.5	15.4	18.5	16.9	15.4	13.9	13.9	12.3
87.5°	9.3	10.8	9.3	10.8	9.3	9.3	10.8	9.3	9.3	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°	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7
2.5°	3142.3	3143.8	3143.8	3150.0	3153.1	3154.6	3154.6	3167.0	3162.4	3165.5	3168.5
5°	3097.6	3106.8	3109.9	3109.9	3126.9	3133.0	3139.2	3153.1	3154.6	3163.9	3174.7
7.5°	3054.4	3065.2	3071.4	3085.2	3096.0	3106.8	3125.4	3134.6	3143.8	3156.2	3170.0
10°	3012.8	3025.1	3037.5	3048.2	3065.2	3079.1	3091.4	3113.0	3123.8	3140.8	3159.2
12.5°	2972.7	2989.7	3000.5	3018.9	3037.5	3049.8	3068.3	3088.4	3105.3	3122.2	3143.8
15°	2937.2	2957.3	2969.6	2989.7	3009.7	3026.7	3046.7	3071.4	3083.7	3103.8	3123.8
17.5°	2898.7	2920.3	2935.7	2954.2	2978.9	2997.3	3014.4	3039.0	3054.4	3076.0	3099.1
20°	2858.6	2880.2	2898.7	2917.2	2941.9	2960.3	2980.4	3005.1	3022.0	3043.6	3062.1
22.5°	2810.8	2830.9	2850.9	2872.5	2897.1	2912.6	2935.7	2957.3	2975.8	2995.8	3014.4
25°	2749.1	2773.8	2789.2	2809.2	2829.3	2846.2	2870.9	2892.5	2907.9	2926.5	2943.4
27.5°	2676.7	2695.2	2707.5	2724.5	2744.5	2759.9	2778.4	2800.0	2815.5	2832.4	2844.7
30°	2553.3	2570.3	2581.1	2593.4	2613.5	2627.4	2642.8	2662.8	2673.6	2685.9	2696.7
32.5°	2391.4	2405.3	2411.4	2420.7	2434.6	2448.4	2460.8	2477.8	2482.4	2490.1	2490.1
35°	2157.1	2160.1	2158.6	2161.7	2167.9	2175.6	2186.3	2197.1	2203.3	2203.3	2198.7
37.5°	1882.6	1864.1	1844.1	1828.7	1824.0	1820.9	1827.1	1831.7	1837.9	1841.0	1833.3
40°	1597.4	1555.8	1511.0	1470.9	1443.2	1430.9	1426.2	1429.3	1429.3	1440.1	1440.1
42.5°	1352.2	1287.4	1221.2	1161.0	1120.9	1090.1	1076.2	1076.2	1077.7	1085.5	1090.1
45°	1148.7	1067.0	989.9	923.6	868.1	828.0	809.5	804.9	803.3	806.4	817.2
47.5°	993.0	908.2	828.0	746.3	687.7	647.6	630.6	624.4	618.3	624.4	626.0
50°	871.2	783.3	698.5	616.7	555.1	519.6	498.0	488.7	487.2	487.2	490.3
52.5°	760.1	678.4	593.6	510.4	445.6	411.7	391.6	387.0	380.8	387.0	387.0
55°	655.3	573.6	490.3	411.7	357.7	322.3	303.7	297.6	294.5	299.1	299.1
57.5°	541.2	471.8	394.7	323.8	269.8	245.2	231.3	223.6	222.0	225.1	222.0
60°	444.1	385.5	319.2	254.4	212.8	186.6	175.8	172.7	169.6	172.7	172.7
62.5°	351.5	302.2	248.2	198.9	163.4	145.0	132.6	132.6	131.1	131.1	132.6
65°	260.6	222.0	183.5	141.8	114.1	100.2	90.9	90.9	89.4	90.9	89.4
67.5°	189.6	163.4	132.6	103.3	81.7	74.0	67.8	63.2	66.3	63.2	61.7
70°	138.8	117.2	95.6	78.6	63.2	55.5	50.9	49.3	46.3	46.3	46.3
72.5°	92.5	78.6	64.7	50.9	41.6	33.9	32.4	29.3	26.2	27.7	30.8
75°	61.7	52.4	46.3	37.0	27.7	27.7	18.5	18.5	15.4	18.5	13.9
77.5°	43.2	35.5	27.7	23.1	18.5	16.9	12.3	12.3	10.8	10.8	10.8
80°	30.8	26.2	20.1	16.9	12.3	12.3	10.8	9.3	7.7	7.7	9.3
82.5°	18.5	13.9	13.9	12.3	7.7	6.2	4.6	6.2	3.1	3.1	3.1
85°	10.8	9.3	7.7	4.6	3.1	3.1	1.5	0.0	1.5	1.5	0.0
87.5°	6.2	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°	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7
2.5°	3176.3	3174.7	3177.8	3177.8	3187.0	3185.5	3190.1	3190.1	3187.0	3188.6	3194.7
5°	3187.0	3191.7	3200.9	3208.6	3222.5	3228.7	3236.4	3244.1	3245.6	3250.3	3254.9
7.5°	3187.0	3202.5	3213.3	3227.1	3245.6	3256.4	3273.4	3287.3	3293.4	3301.1	3310.4
10°	3180.8	3196.2	3216.3	3231.7	3254.9	3271.8	3288.8	3310.4	3319.6	3331.9	3344.3
12.5°	3168.5	3185.5	3207.0	3227.1	3253.3	3268.7	3290.3	3310.4	3324.3	3341.2	3355.1
15°	3150.0	3170.0	3190.1	3210.1	3237.9	3256.4	3276.5	3299.6	3313.5	3331.9	3344.3
17.5°	3120.7	3142.3	3160.8	3179.3	3205.5	3227.1	3245.6	3267.2	3281.1	3296.5	3313.5
20°	3085.2	3105.3	3125.4	3140.8	3167.0	3185.5	3205.5	3225.6	3236.4	3239.5	3265.7
22.5°	3040.6	3054.4	3069.8	3094.5	3109.9	3126.9	3145.4	3163.9	3174.7	3191.7	3200.9
25°	2966.5	2980.4	2997.3	3008.1	3026.7	3040.6	3059.0	3079.1	3085.2	3097.6	3106.8
27.5°	2863.2	2870.9	2878.7	2887.9	2898.7	2906.4	2917.2	2926.5	2932.6	2938.8	2944.9
30°	2699.8	2699.8	2699.8	2693.6	2698.2	2702.9	2704.4	2702.9	2702.9	2701.4	2701.4
32.5°	2483.9	2471.6	2457.7	2445.4	2440.8	2434.6	2431.5	2426.9	2419.2	2414.6	2416.1
35°	2192.5	2164.8	2147.8	2132.4	2120.1	2110.8	2106.2	2101.6	2100.0	2093.9	2087.7
37.5°	1828.7	1808.6	1796.3	1787.0	1776.2	1767.0	1768.5	1770.1	1774.6	1771.6	1773.1
40°	1443.2	1438.5	1443.2	1432.4	1429.3	1432.4	1440.1	1450.9	1457.1	1463.2	1474.0
42.5°	1097.8	1105.5	1116.3	1116.3	1120.9	1127.1	1136.3	1153.3	1162.5	1173.3	1185.7
45°	826.4	835.7	849.6	854.2	857.3	865.0	875.8	889.6	895.8	905.1	915.9
47.5°	636.8	643.0	650.6	658.4	666.1	669.2	680.0	680.0	687.7	693.9	696.9
50°	496.5	502.6	508.8	513.4	516.5	521.2	524.2	528.8	530.4	533.5	535.0
52.5°	388.5	396.3	396.3	399.3	403.9	408.6	407.1	408.6	410.1	410.1	414.7
55°	303.7	303.7	308.4	308.4	311.5	309.9	311.5	311.5	311.5	311.5	313.0
57.5°	226.6	228.2	232.8	229.7	228.2	231.3	228.2	231.3	229.7	232.8	228.2
60°	174.2	174.2	175.8	175.8	177.3	177.3	177.3	175.8	175.8	174.2	174.2
62.5°	131.1	132.6	134.2	132.6	132.6	132.6	131.1	131.1	129.5	127.9	127.9
65°	87.9	86.4	89.4	86.4	87.9	87.9	86.4	87.9	83.3	84.8	83.3
67.5°	63.2	61.7	60.2	61.7	60.2	58.6	58.6	60.2	61.7	57.1	57.1
70°	41.6	43.2	41.6	43.2	44.7	44.7	43.2	41.6	43.2	40.1	41.6
72.5°	26.2	26.2	26.2	26.2	26.2	27.7	27.7	27.7	24.7	24.7	23.1
75°	12.3	16.9	13.9	12.3	16.9	16.9	15.4	15.4	13.9	13.9	13.9
77.5°	12.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	7.7	9.3	7.7
80°	6.2	6.2	6.2	4.6	6.2	6.2	7.7	6.2	6.2	4.6	7.7
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: P248605

CATALOG NUMBER: LD8B60D010 ER8B60935 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7
2.5°	3193.2	3191.7	3193.2	3194.7	3193.2	3191.7	3193.2	3194.7	3188.6	3187.0	3190.1
5°	3261.0	3261.0	3264.1	3265.7	3264.1	3261.0	3261.0	3254.9	3250.3	3245.6	3244.1
7.5°	3319.6	3322.7	3325.8	3327.3	3325.8	3322.7	3319.6	3310.4	3301.1	3293.4	3287.3
10°	3355.1	3359.7	3365.9	3368.9	3365.9	3359.7	3355.1	3344.3	3331.9	3319.6	3310.4
12.5°	3370.5	3375.2	3382.8	3381.3	3382.8	3375.2	3370.5	3355.1	3341.2	3324.3	3310.4
15°	3359.7	3365.9	3373.6	3376.7	3373.6	3365.9	3359.7	3344.3	3331.9	3313.5	3299.6
17.5°	3325.8	3335.0	3339.7	3344.3	3339.7	3335.0	3325.8	3313.5	3296.5	3281.1	3267.2
20°	3279.5	3285.7	3291.9	3293.4	3291.9	3285.7	3279.5	3265.7	3239.5	3236.4	3225.6
22.5°	3213.3	3217.9	3231.7	3227.1	3231.7	3217.9	3213.3	3200.9	3191.7	3174.7	3163.9
25°	3117.6	3122.2	3123.8	3125.4	3123.8	3122.2	3117.6	3106.8	3097.6	3085.2	3079.1
27.5°	2952.7	2952.7	2955.7	2957.3	2955.7	2952.7	2952.7	2944.9	2938.8	2932.6	2926.5
30°	2702.9	2702.9	2702.9	2710.6	2702.9	2702.9	2702.9	2701.4	2701.4	2702.9	2702.9
32.5°	2414.6	2411.4	2408.4	2411.4	2408.4	2411.4	2414.6	2416.1	2414.6	2419.2	2426.9
35°	2087.7	2086.1	2090.8	2084.6	2090.8	2086.1	2087.7	2087.7	2093.9	2100.0	2101.6
37.5°	1774.6	1771.6	1777.8	1771.6	1777.8	1771.6	1774.6	1773.1	1771.6	1774.6	1770.1
40°	1477.1	1480.2	1480.2	1492.5	1480.2	1480.2	1477.1	1474.0	1463.2	1457.1	1450.9
42.5°	1191.9	1201.1	1198.0	1207.3	1198.0	1201.1	1191.9	1185.7	1173.3	1162.5	1153.3
45°	922.0	928.2	928.2	931.3	928.2	928.2	922.0	915.9	905.1	895.8	889.6
47.5°	707.7	707.7	707.7	709.3	707.7	707.7	707.7	696.9	693.9	687.7	680.0
50°	538.1	539.6	541.2	542.7	541.2	539.6	538.1	535.0	533.5	530.4	528.8
52.5°	413.2	414.7	411.7	414.7	411.7	414.7	413.2	414.7	410.1	410.1	408.6
55°	313.0	311.5	313.0	314.5	313.0	311.5	313.0	313.0	311.5	311.5	311.5
57.5°	229.7	226.6	226.6	226.6	226.6	226.6	229.7	228.2	232.8	229.7	231.3
60°	171.2	172.7	172.7	174.2	172.7	172.7	171.2	174.2	174.2	175.8	175.8
62.5°	126.4	131.1	127.9	131.1	127.9	131.1	126.4	127.9	127.9	129.5	131.1
65°	81.7	81.7	81.7	83.3	81.7	81.7	81.7	83.3	84.8	83.3	87.9
67.5°	55.5	57.1	60.2	58.6	60.2	57.1	55.5	57.1	57.1	61.7	60.2
70°	44.7	40.1	40.1	44.7	40.1	40.1	44.7	41.6	40.1	43.2	41.6
72.5°	26.2	23.1	26.2	26.2	26.2	23.1	26.2	23.1	24.7	24.7	27.7
75°	13.9	12.3	10.8	15.4	10.8	12.3	13.9	13.9	13.9	13.9	15.4
77.5°	9.3	7.7	10.8	10.8	10.8	7.7	9.3	7.7	9.3	7.7	9.3
80°	4.6	6.2	4.6	7.7	4.6	6.2	4.6	7.7	4.6	6.2	6.2
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: P248605

CATALOG NUMBER: LD8B60D010 ER8B60935 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7
2.5°	3190.1	3185.5	3187.0	3177.8	3177.8	3174.7	3176.3	3168.5	3165.5	3162.4	3167.0
5°	3236.4	3228.7	3222.5	3208.6	3200.9	3191.7	3187.0	3174.7	3163.9	3154.6	3153.1
7.5°	3273.4	3256.4	3245.6	3227.1	3213.3	3202.5	3187.0	3170.0	3156.2	3143.8	3134.6
10°	3288.8	3271.8	3254.9	3231.7	3216.3	3196.2	3180.8	3159.2	3140.8	3123.8	3113.0
12.5°	3290.3	3268.7	3253.3	3227.1	3207.0	3185.5	3168.5	3143.8	3122.2	3105.3	3088.4
15°	3276.5	3256.4	3237.9	3210.1	3190.1	3170.0	3150.0	3123.8	3103.8	3083.7	3071.4
17.5°	3245.6	3227.1	3205.5	3179.3	3160.8	3142.3	3120.7	3099.1	3076.0	3054.4	3039.0
20°	3205.5	3185.5	3167.0	3140.8	3125.4	3105.3	3085.2	3062.1	3043.6	3022.0	3005.1
22.5°	3145.4	3126.9	3109.9	3094.5	3069.8	3054.4	3040.6	3014.4	2995.8	2975.8	2957.3
25°	3059.0	3040.6	3026.7	3008.1	2997.3	2980.4	2966.5	2943.4	2926.5	2907.9	2892.5
27.5°	2917.2	2906.4	2898.7	2887.9	2878.7	2870.9	2863.2	2844.7	2832.4	2815.5	2800.0
30°	2704.4	2702.9	2698.2	2693.6	2699.8	2699.8	2699.8	2696.7	2685.9	2673.6	2662.8
32.5°	2431.5	2434.6	2440.8	2445.4	2457.7	2471.6	2483.9	2490.1	2490.1	2482.4	2477.8
35°	2106.2	2110.8	2120.1	2132.4	2147.8	2164.8	2192.5	2198.7	2203.3	2203.3	2197.1
37.5°	1768.5	1767.0	1776.2	1787.0	1796.3	1808.6	1828.7	1833.3	1841.0	1837.9	1831.7
40°	1440.1	1432.4	1429.3	1432.4	1443.2	1438.5	1443.2	1440.1	1440.1	1429.3	1429.3
42.5°	1136.3	1127.1	1120.9	1116.3	1116.3	1105.5	1097.8	1090.1	1085.5	1077.7	1076.2
45°	875.8	865.0	857.3	854.2	849.6	835.7	826.4	817.2	806.4	803.3	804.9
47.5°	680.0	669.2	666.1	658.4	650.6	643.0	636.8	626.0	624.4	618.3	624.4
50°	524.2	521.2	516.5	513.4	508.8	502.6	496.5	490.3	487.2	487.2	488.7
52.5°	407.1	408.6	403.9	399.3	396.3	396.3	388.5	387.0	387.0	380.8	387.0
55°	311.5	309.9	311.5	308.4	308.4	303.7	303.7	299.1	299.1	294.5	297.6
57.5°	228.2	231.3	228.2	229.7	232.8	228.2	226.6	222.0	225.1	222.0	223.6
60°	177.3	177.3	177.3	175.8	175.8	174.2	174.2	172.7	172.7	169.6	172.7
62.5°	131.1	132.6	132.6	132.6	134.2	132.6	131.1	132.6	131.1	131.1	132.6
65°	86.4	87.9	87.9	86.4	89.4	86.4	87.9	89.4	90.9	89.4	90.9
67.5°	58.6	58.6	60.2	61.7	60.2	61.7	63.2	61.7	63.2	66.3	63.2
70°	43.2	44.7	44.7	43.2	41.6	43.2	41.6	46.3	46.3	46.3	49.3
72.5°	27.7	27.7	26.2	26.2	26.2	26.2	26.2	30.8	27.7	26.2	29.3
75°	15.4	16.9	16.9	12.3	13.9	16.9	12.3	13.9	18.5	15.4	18.5
77.5°	9.3	9.3	9.3	9.3	9.3	9.3	12.3	10.8	10.8	10.8	12.3
80°	7.7	6.2	6.2	4.6	6.2	6.2	6.2	9.3	7.7	7.7	9.3
82.5°	3.1	3.1	1.5	0.0	3.1	3.1	3.1	3.1	3.1	3.1	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	3.1	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: P248605

CATALOG NUMBER: LD8B60D010 ER8B60935 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7
2.5°	3154.6	3154.6	3153.1	3150.0	3143.8	3143.8	3142.3	3137.7	3134.6	3133.0	3133.0
5°	3139.2	3133.0	3126.9	3109.9	3109.9	3106.8	3097.6	3091.4	3088.4	3080.6	3077.6
7.5°	3125.4	3106.8	3096.0	3085.2	3071.4	3065.2	3054.4	3049.8	3039.0	3031.3	3026.7
10°	3091.4	3079.1	3065.2	3048.2	3037.5	3025.1	3012.8	3003.6	2989.7	2981.9	2975.8
12.5°	3068.3	3049.8	3037.5	3018.9	3000.5	2989.7	2972.7	2961.9	2948.0	2932.6	2923.3
15°	3046.7	3026.7	3009.7	2989.7	2969.6	2957.3	2937.2	2924.9	2904.9	2889.5	2878.7
17.5°	3014.4	2997.3	2978.9	2954.2	2935.7	2920.3	2898.7	2883.3	2864.8	2844.7	2833.9
20°	2980.4	2960.3	2941.9	2917.2	2898.7	2880.2	2858.6	2841.7	2820.0	2801.6	2789.2
22.5°	2935.7	2912.6	2897.1	2872.5	2850.9	2830.9	2810.8	2790.8	2770.7	2755.3	2741.4
25°	2870.9	2846.2	2829.3	2809.2	2789.2	2773.8	2749.1	2736.8	2716.8	2702.9	2689.0
27.5°	2778.4	2759.9	2744.5	2724.5	2707.5	2695.2	2676.7	2664.4	2647.3	2635.0	2624.2
30°	2642.8	2627.4	2613.5	2593.4	2581.1	2570.3	2553.3	2542.5	2530.2	2516.3	2513.2
32.5°	2460.8	2448.4	2434.6	2420.7	2411.4	2405.3	2391.4	2385.2	2372.9	2365.2	2357.5
35°	2186.3	2175.6	2167.9	2161.7	2158.6	2160.1	2157.1	2163.2	2166.3	2164.8	2166.3
37.5°	1827.1	1820.9	1824.0	1828.7	1844.1	1864.1	1882.6	1910.3	1928.9	1947.4	1964.3
40°	1426.2	1430.9	1443.2	1470.9	1511.0	1555.8	1597.4	1649.8	1702.2	1739.2	1773.1
42.5°	1076.2	1090.1	1120.9	1161.0	1221.2	1287.4	1352.2	1429.3	1492.5	1554.2	1597.4
45°	809.5	828.0	868.1	923.6	989.9	1067.0	1148.7	1235.0	1310.6	1373.8	1421.6
47.5°	630.6	647.6	687.7	746.3	828.0	908.2	993.0	1082.4	1161.0	1222.7	1264.3
50°	498.0	519.6	555.1	616.7	698.5	783.3	871.2	959.0	1033.1	1085.5	1122.5
52.5°	391.6	411.7	445.6	510.4	593.6	678.4	760.1	846.5	911.2	962.1	986.8
55°	303.7	322.3	357.7	411.7	490.3	573.6	655.3	729.3	789.4	826.4	849.6
57.5°	231.3	245.2	269.8	323.8	394.7	471.8	541.2	615.2	661.5	687.7	703.1
60°	175.8	186.6	212.8	254.4	319.2	385.5	444.1	499.6	536.6	558.2	573.6
62.5°	132.6	145.0	163.4	198.9	248.2	302.2	351.5	393.2	424.0	437.9	448.7
65°	90.9	100.2	114.1	141.8	183.5	222.0	260.6	291.4	311.5	326.9	333.1
67.5°	67.8	74.0	81.7	103.3	132.6	163.4	189.6	211.2	232.8	239.0	249.8
70°	50.9	55.5	63.2	78.6	95.6	117.2	138.8	151.1	166.5	177.3	180.4
72.5°	32.4	33.9	41.6	50.9	64.7	78.6	92.5	103.3	112.6	118.7	121.8
75°	18.5	27.7	27.7	37.0	46.3	52.4	61.7	69.4	74.0	78.6	78.6
77.5°	12.3	16.9	18.5	23.1	27.7	35.5	43.2	47.8	52.4	53.9	53.9
80°	10.8	12.3	12.3	16.9	20.1	26.2	30.8	32.4	35.5	37.0	40.1
82.5°	4.6	6.2	7.7	12.3	13.9	13.9	18.5	20.1	23.1	24.7	24.7
85°	1.5	3.1	3.1	4.6	7.7	9.3	10.8	12.3	13.9	13.9	15.4
87.5°	1.5	1.5	0.0	1.5	3.1	3.1	6.2	6.2	6.2	9.3	9.3
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: P248605

CATALOG NUMBER: LD8B60D010 ER8B60935 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7	3157.7
2.5°	3130.0	3131.5	3125.4	3123.8	3120.7	3122.2	3125.4
5°	3072.9	3074.5	3068.3	3062.1	3062.1	3060.6	3062.1
7.5°	3018.9	3020.5	3011.2	3008.1	3002.0	3003.6	3003.6
10°	2965.0	2965.0	2951.1	2949.6	2944.9	2943.4	2943.4
12.5°	2912.6	2907.9	2897.1	2891.0	2894.1	2884.8	2884.8
15°	2866.3	2858.6	2844.7	2840.1	2832.4	2829.3	2829.3
17.5°	2818.5	2812.3	2800.0	2790.8	2781.5	2780.0	2781.5
20°	2772.2	2766.1	2750.7	2744.5	2736.8	2736.8	2733.7
22.5°	2726.0	2719.8	2706.0	2701.4	2690.6	2690.6	2692.1
25°	2678.2	2673.6	2658.1	2655.1	2653.6	2647.3	2650.5
27.5°	2613.5	2610.3	2598.0	2593.4	2587.2	2585.7	2588.8
30°	2494.7	2490.1	2480.9	2476.2	2465.5	2467.0	2470.0
32.5°	2346.7	2340.6	2328.2	2323.5	2314.3	2311.2	2312.8
35°	2161.7	2157.1	2146.3	2146.3	2137.0	2133.9	2137.0
37.5°	1973.6	1978.2	1973.6	1978.2	1973.6	1972.0	1973.6
40°	1796.3	1813.2	1816.3	1833.3	1827.1	1836.3	1834.8
42.5°	1626.6	1654.4	1665.2	1679.1	1676.0	1682.2	1686.8
45°	1455.5	1478.7	1489.4	1498.7	1500.2	1503.3	1504.9
47.5°	1293.6	1312.1	1313.6	1324.4	1322.9	1322.9	1327.5
50°	1142.5	1154.9	1157.9	1165.6	1159.5	1156.4	1157.9
52.5°	1002.2	1014.5	1011.4	1014.5	1006.9	1003.7	1005.3
55°	858.8	865.0	865.0	865.0	855.8	855.8	855.8
57.5°	712.3	713.9	710.8	712.3	710.8	701.5	700.0
60°	578.2	578.2	576.6	578.2	573.6	569.0	569.0
62.5°	451.7	454.8	461.0	454.8	451.7	454.8	450.2
65°	337.7	343.8	342.3	345.4	343.8	343.8	340.7
67.5°	254.4	256.0	257.5	259.1	259.1	259.1	259.1
70°	186.6	191.2	189.6	189.6	189.6	189.6	198.9
72.5°	124.9	131.1	129.5	132.6	132.6	135.7	132.6
75°	84.8	90.9	87.9	92.5	90.9	87.9	95.6
77.5°	57.1	60.2	61.7	63.2	61.7	60.2	61.7
80°	40.1	43.2	41.6	43.2	43.2	43.2	44.7
82.5°	24.7	29.3	27.7	29.3	27.7	29.3	29.3
85°	16.9	18.5	15.4	18.5	16.9	16.9	20.1
87.5°	10.8	9.3	9.3	10.8	9.3	10.8	9.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)