

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: P248641

Luminaire Tested: **LD8B60D010 ER8B609730 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248641  
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 ER8B609730 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4595.0 lumens  
Efficiency: N/A  
Efficacy: 77.2 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

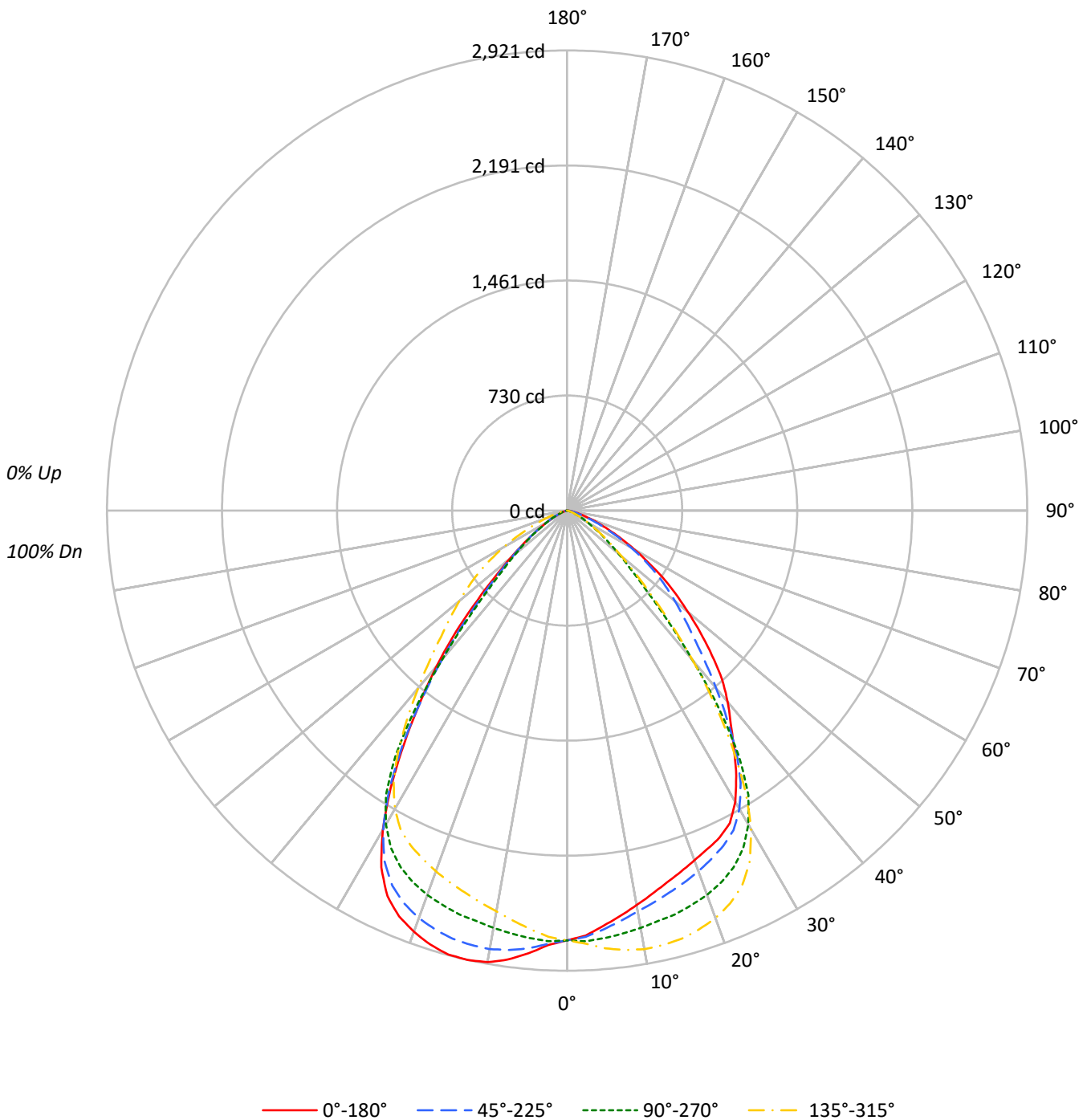
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	259.6	5.7
10°-20°	751.9	16.4
20°-30°	1138.5	24.8
30°-40°	1141.1	24.8
40°-50°	716.5	15.6
50°-60°	381.8	8.3
60°-70°	157.0	3.4
70°-80°	41.5	0.9
80°-90°	7.0	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°	2150.0	46.8
0°-40°	3291.1	71.6
0°-60°	4389.5	95.5
0°-90°	4595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4595.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2728	2728	2728	2728	2728	
5°	2645	2724	2821	2724	2645	249
15°	2444	2653	2917	2653	2444	691
25°	2290	2499	2700	2499	2290	1050
35°	1846	1898	1801	1898	1846	1157
45°	1300	695	804	695	1300	1000
55°	739	257	272	257	739	659
65°	294	79	72	79	294	305
75°	83	16	13	16	83	94
85°	17	0	1	0	17	19
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°	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9
2.5°	2699.9	2697.3	2695.9	2698.6	2699.9	2705.3	2703.9	2706.6	2706.6	2707.9	2710.6
5°	2645.3	2644.0	2645.3	2645.3	2650.7	2656.0	2654.7	2658.7	2661.3	2668.0	2670.6
7.5°	2594.7	2594.7	2593.4	2598.7	2601.4	2609.4	2608.0	2614.7	2618.7	2625.3	2634.6
10°	2542.8	2542.8	2544.1	2548.1	2549.4	2561.4	2561.4	2570.7	2576.0	2582.7	2594.7
12.5°	2492.2	2492.2	2500.2	2497.5	2502.8	2512.1	2516.1	2525.4	2533.4	2546.8	2558.8
15°	2444.2	2444.2	2446.9	2453.5	2457.5	2469.5	2476.1	2486.8	2496.2	2509.5	2526.8
17.5°	2402.9	2401.6	2402.9	2410.9	2418.9	2429.5	2434.9	2448.2	2457.5	2474.8	2490.8
20°	2361.6	2364.3	2364.3	2370.9	2376.3	2389.6	2394.9	2409.6	2420.2	2436.2	2454.9
22.5°	2325.7	2324.3	2324.3	2333.7	2337.7	2349.6	2354.9	2368.2	2380.3	2393.6	2410.9
25°	2289.7	2287.0	2292.4	2293.7	2296.3	2309.6	2313.6	2323.0	2335.0	2347.0	2364.3
27.5°	2236.4	2233.8	2235.1	2240.4	2244.4	2255.0	2257.7	2267.0	2276.4	2287.0	2301.7
30°	2133.8	2131.2	2129.9	2139.2	2143.2	2151.1	2155.1	2171.2	2173.8	2185.8	2196.4
32.5°	1998.0	1996.6	1999.3	2007.3	2011.3	2022.0	2027.3	2036.6	2043.2	2049.9	2060.6
35°	1846.1	1843.5	1846.1	1854.1	1854.1	1863.5	1867.5	1871.4	1870.1	1871.4	1868.8
37.5°	1705.0	1703.6	1705.0	1708.9	1705.0	1708.9	1705.0	1697.0	1682.3	1666.3	1650.3
40°	1585.1	1586.4	1578.4	1583.7	1569.1	1566.4	1551.8	1531.8	1502.5	1470.5	1425.2
42.5°	1457.2	1453.2	1447.9	1450.5	1438.6	1429.2	1405.2	1380.0	1342.6	1289.4	1234.7
45°	1300.0	1298.7	1296.0	1294.7	1286.7	1277.4	1257.4	1228.1	1186.8	1132.2	1066.9
47.5°	1146.8	1142.8	1142.8	1144.2	1134.8	1133.5	1117.5	1092.2	1056.3	1003.0	935.1
50°	1000.3	999.0	1001.7	1007.0	1000.3	997.7	987.0	969.7	937.7	892.5	828.5
52.5°	868.4	867.1	869.8	876.4	873.8	876.4	865.8	852.5	831.2	787.2	731.3
55°	739.3	739.3	739.3	747.2	747.2	747.2	741.9	734.0	713.9	682.0	630.1
57.5°	604.7	606.0	614.0	615.4	614.0	616.7	615.4	607.4	594.1	571.4	531.5
60°	491.5	491.5	495.5	499.5	498.1	499.5	499.5	495.5	482.2	463.6	431.6
62.5°	388.9	392.9	390.2	392.9	398.3	392.9	390.2	387.6	378.3	366.3	339.6
65°	294.4	297.0	297.0	298.4	295.7	297.0	291.7	287.7	282.4	269.1	251.8
67.5°	223.8	223.8	223.8	223.8	222.4	221.1	219.8	215.8	206.5	201.2	182.5
70°	171.8	163.8	163.8	163.8	163.8	165.2	161.2	155.9	153.2	143.9	130.5
72.5°	114.5	117.2	114.5	114.5	111.9	113.2	107.9	105.2	102.6	97.3	89.3
75°	82.6	75.9	78.6	79.9	75.9	78.6	73.2	67.9	67.9	63.9	59.9
77.5°	53.3	52.0	53.3	54.6	53.3	52.0	49.3	46.6	46.6	45.3	41.3
80°	38.7	37.3	37.3	37.3	36.0	37.3	34.6	34.6	32.0	30.6	28.0
82.5°	25.3	25.3	24.0	25.3	24.0	25.3	21.3	21.3	21.3	20.0	17.3
85°	17.3	14.6	14.6	16.0	13.3	16.0	14.6	13.3	12.0	12.0	10.6
87.5°	8.0	9.3	8.0	9.3	8.0	8.0	9.3	8.0	8.0	5.3	5.3
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°	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9
2.5°	2714.6	2715.9	2715.9	2721.3	2723.9	2725.2	2725.2	2735.9	2731.9	2734.6	2737.2
5°	2676.0	2683.9	2686.6	2686.6	2701.3	2706.6	2711.9	2723.9	2725.2	2733.2	2742.5
7.5°	2638.6	2648.0	2653.3	2665.3	2674.6	2683.9	2699.9	2707.9	2715.9	2726.6	2738.5
10°	2602.7	2613.4	2624.0	2633.3	2648.0	2660.0	2670.6	2689.3	2698.6	2713.3	2729.2
12.5°	2568.1	2582.7	2592.0	2608.0	2624.0	2634.6	2650.7	2668.0	2682.6	2697.3	2715.9
15°	2537.4	2554.8	2565.4	2582.7	2600.1	2614.7	2632.0	2653.3	2664.0	2681.3	2698.6
17.5°	2504.1	2522.8	2536.1	2552.1	2573.4	2589.4	2604.1	2625.3	2638.6	2657.3	2677.3
20°	2469.5	2488.2	2504.1	2520.1	2541.4	2557.4	2574.7	2596.1	2610.7	2629.3	2645.3
22.5°	2428.2	2445.6	2462.8	2481.5	2502.8	2516.1	2536.1	2554.8	2570.7	2588.0	2604.1
25°	2374.9	2396.3	2409.6	2426.9	2444.2	2458.8	2480.1	2498.8	2512.1	2528.1	2542.8
27.5°	2312.3	2328.3	2339.0	2353.6	2370.9	2384.3	2400.2	2418.9	2432.2	2446.9	2457.5
30°	2205.7	2220.4	2229.8	2240.4	2257.7	2269.7	2283.1	2300.3	2309.6	2320.3	2329.7
32.5°	2065.9	2077.9	2083.2	2091.2	2103.2	2115.2	2125.9	2140.5	2144.5	2151.1	2151.1
35°	1863.5	1866.1	1864.8	1867.5	1872.8	1879.4	1888.7	1898.1	1903.4	1903.4	1899.4
37.5°	1626.3	1610.4	1593.1	1579.7	1575.7	1573.1	1578.4	1582.4	1587.8	1590.4	1583.7
40°	1380.0	1344.0	1305.3	1270.7	1246.7	1236.1	1232.1	1234.7	1234.7	1244.0	1244.0
42.5°	1168.2	1112.2	1055.0	1003.0	968.3	941.7	929.7	929.7	931.0	937.7	941.7
45°	992.3	921.7	855.1	797.9	749.9	715.3	699.3	695.3	694.0	696.6	705.9
47.5°	857.8	784.6	715.3	644.7	594.1	559.4	544.8	539.4	534.1	539.4	540.8
50°	752.6	676.7	603.4	532.8	479.5	448.9	430.2	422.2	420.9	420.9	423.6
52.5°	656.6	586.1	512.8	440.9	384.9	355.7	338.3	334.3	329.0	334.3	334.3
55°	566.1	495.5	423.6	355.7	309.0	278.4	262.4	257.1	254.4	258.4	258.4
57.5°	467.6	407.6	341.0	279.7	233.1	211.8	199.8	193.2	191.8	194.5	191.8
60°	383.6	333.0	275.7	219.8	183.8	161.2	151.9	149.2	146.5	149.2	149.2
62.5°	303.7	261.1	214.4	171.8	141.2	125.2	114.5	114.5	113.2	113.2	114.5
65°	225.1	191.8	158.5	122.5	98.6	86.6	78.6	78.6	77.2	78.6	77.2
67.5°	163.8	141.2	114.5	89.3	70.6	63.9	58.6	54.6	57.3	54.6	53.3
70°	119.9	101.2	82.6	67.9	54.6	48.0	44.0	42.6	40.0	40.0	40.0
72.5°	79.9	67.9	55.9	44.0	36.0	29.3	28.0	25.3	22.6	24.0	26.6
75°	53.3	45.3	40.0	32.0	24.0	24.0	16.0	16.0	13.3	16.0	12.0
77.5°	37.3	30.6	24.0	20.0	16.0	14.6	10.6	10.6	9.3	9.3	9.3
80°	26.6	22.6	17.3	14.6	10.6	10.6	9.3	8.0	6.6	6.6	8.0
82.5°	16.0	12.0	12.0	10.6	6.6	5.3	4.0	5.3	2.7	2.7	2.7
85°	9.3	8.0	6.6	4.0	2.7	2.7	1.3	0.0	1.3	1.3	0.0
87.5°	5.3	2.7	2.7	1.3	0.0	1.3	1.3	0.0	0.0	0.0	2.7
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°	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9
2.5°	2743.9	2742.5	2745.2	2745.2	2753.2	2751.9	2755.9	2755.9	2753.2	2754.6	2759.9
5°	2753.2	2757.2	2765.2	2771.9	2783.8	2789.2	2795.8	2802.5	2803.8	2807.8	2811.8
7.5°	2753.2	2766.6	2775.9	2787.8	2803.8	2813.2	2827.8	2839.8	2845.1	2851.8	2859.8
10°	2747.9	2761.2	2778.5	2791.8	2811.8	2826.5	2841.1	2859.8	2867.8	2878.4	2889.1
12.5°	2737.2	2751.9	2770.5	2787.8	2810.5	2823.8	2842.4	2859.8	2871.8	2886.4	2898.4
15°	2721.3	2738.5	2755.9	2773.2	2797.2	2813.2	2830.5	2850.4	2862.4	2878.4	2889.1
17.5°	2695.9	2714.6	2730.6	2746.5	2769.2	2787.8	2803.8	2822.5	2834.5	2847.8	2862.4
20°	2665.3	2682.6	2699.9	2713.3	2735.9	2751.9	2769.2	2786.5	2795.8	2798.5	2821.2
22.5°	2626.7	2638.6	2652.0	2673.3	2686.6	2701.3	2717.3	2733.2	2742.5	2757.2	2765.2
25°	2562.7	2574.7	2589.4	2598.7	2614.7	2626.7	2642.7	2660.0	2665.3	2676.0	2683.9
27.5°	2473.5	2480.1	2486.8	2494.8	2504.1	2510.8	2520.1	2528.1	2533.4	2538.8	2544.1
30°	2332.3	2332.3	2332.3	2327.0	2331.0	2335.0	2336.3	2335.0	2335.0	2333.7	2333.7
32.5°	2145.8	2135.2	2123.2	2112.5	2108.5	2103.2	2100.5	2096.5	2089.9	2085.9	2087.2
35°	1894.1	1870.1	1855.5	1842.1	1831.5	1823.5	1819.5	1815.5	1814.2	1808.9	1803.5
37.5°	1579.7	1562.4	1551.8	1543.8	1534.5	1526.5	1527.8	1529.1	1533.1	1530.5	1531.8
40°	1246.7	1242.7	1246.7	1237.4	1234.7	1237.4	1244.0	1253.4	1258.7	1264.1	1273.4
42.5°	948.4	955.0	964.4	964.4	968.3	973.7	981.7	996.3	1004.3	1013.6	1024.3
45°	713.9	721.9	734.0	737.9	740.6	747.2	756.6	768.5	773.9	781.9	791.2
47.5°	550.1	555.4	562.1	568.8	575.4	578.1	587.4	587.4	594.1	599.4	602.0
50°	428.9	434.2	439.5	443.5	446.2	450.2	452.9	456.9	458.2	460.9	462.2
52.5°	335.6	342.3	342.3	345.0	349.0	353.0	351.7	353.0	354.3	354.3	358.3
55°	262.4	262.4	266.4	266.4	269.1	267.7	269.1	269.1	269.1	269.1	270.4
57.5°	195.8	197.2	201.2	198.5	197.2	199.8	197.2	199.8	198.5	201.2	197.2
60°	150.5	150.5	151.9	151.9	153.2	153.2	153.2	151.9	151.9	150.5	150.5
62.5°	113.2	114.5	115.9	114.5	114.5	114.5	113.2	113.2	111.9	110.5	110.5
65°	75.9	74.6	77.2	74.6	75.9	75.9	74.6	75.9	71.9	73.2	71.9
67.5°	54.6	53.3	52.0	53.3	52.0	50.6	50.6	52.0	53.3	49.3	49.3
70°	36.0	37.3	36.0	37.3	38.7	38.7	37.3	36.0	37.3	34.6	36.0
72.5°	22.6	22.6	22.6	22.6	22.6	24.0	24.0	24.0	21.3	21.3	20.0
75°	10.6	14.6	12.0	10.6	14.6	14.6	13.3	13.3	12.0	12.0	12.0
77.5°	10.6	8.0	8.0	8.0	8.0	8.0	8.0	8.0	6.6	8.0	6.6
80°	5.3	5.3	5.3	4.0	5.3	5.3	6.6	5.3	5.3	4.0	6.6
82.5°	2.7	2.7	2.7	0.0	1.3	2.7	2.7	1.3	2.7	2.7	1.3
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: P248641

CATALOG NUMBER: LD8B60D010 ER8B609730 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9
2.5°	2758.6	2757.2	2758.6	2759.9	2758.6	2757.2	2758.6	2759.9	2754.6	2753.2	2755.9
5°	2817.2	2817.2	2819.8	2821.2	2819.8	2817.2	2817.2	2811.8	2807.8	2803.8	2802.5
7.5°	2867.8	2870.5	2873.1	2874.4	2873.1	2870.5	2867.8	2859.8	2851.8	2845.1	2839.8
10°	2898.4	2902.4	2907.7	2910.4	2907.7	2902.4	2898.4	2889.1	2878.4	2867.8	2859.8
12.5°	2911.7	2915.7	2922.4	2921.1	2922.4	2915.7	2911.7	2898.4	2886.4	2871.8	2859.8
15°	2902.4	2907.7	2914.4	2917.1	2914.4	2907.7	2902.4	2889.1	2878.4	2862.4	2850.4
17.5°	2873.1	2881.1	2885.1	2889.1	2885.1	2881.1	2873.1	2862.4	2847.8	2834.5	2822.5
20°	2833.1	2838.5	2843.8	2845.1	2843.8	2838.5	2833.1	2821.2	2798.5	2795.8	2786.5
22.5°	2775.9	2779.9	2791.8	2787.8	2791.8	2779.9	2775.9	2765.2	2757.2	2742.5	2733.2
25°	2693.3	2697.3	2698.6	2699.9	2698.6	2697.3	2693.3	2683.9	2676.0	2665.3	2660.0
27.5°	2550.8	2550.8	2553.4	2554.8	2553.4	2550.8	2550.8	2544.1	2538.8	2533.4	2528.1
30°	2335.0	2335.0	2335.0	2341.7	2335.0	2335.0	2335.0	2333.7	2333.7	2335.0	2335.0
32.5°	2085.9	2083.2	2080.6	2083.2	2080.6	2083.2	2085.9	2087.2	2085.9	2089.9	2096.5
35°	1803.5	1802.2	1806.2	1800.9	1806.2	1802.2	1803.5	1803.5	1808.9	1814.2	1815.5
37.5°	1533.1	1530.5	1535.8	1530.5	1535.8	1530.5	1533.1	1531.8	1530.5	1533.1	1529.1
40°	1276.1	1278.7	1278.7	1289.4	1278.7	1278.7	1276.1	1273.4	1264.1	1258.7	1253.4
42.5°	1029.6	1037.6	1034.9	1042.9	1034.9	1037.6	1029.6	1024.3	1013.6	1004.3	996.3
45°	796.5	801.9	801.9	804.5	801.9	801.9	796.5	791.2	781.9	773.9	768.5
47.5°	611.4	611.4	611.4	612.7	611.4	611.4	611.4	602.0	599.4	594.1	587.4
50°	464.9	466.2	467.6	468.9	467.6	466.2	464.9	462.2	460.9	458.2	456.9
52.5°	357.0	358.3	355.7	358.3	355.7	358.3	357.0	358.3	354.3	354.3	353.0
55°	270.4	269.1	270.4	271.7	270.4	269.1	270.4	270.4	269.1	269.1	269.1
57.5°	198.5	195.8	195.8	195.8	195.8	195.8	198.5	197.2	201.2	198.5	199.8
60°	147.9	149.2	149.2	150.5	149.2	149.2	147.9	150.5	150.5	151.9	151.9
62.5°	109.2	113.2	110.5	113.2	110.5	113.2	109.2	110.5	110.5	111.9	113.2
65°	70.6	70.6	70.6	71.9	70.6	70.6	70.6	71.9	73.2	71.9	75.9
67.5°	48.0	49.3	52.0	50.6	52.0	49.3	48.0	49.3	49.3	53.3	52.0
70°	38.7	34.6	34.6	38.7	34.6	34.6	38.7	36.0	34.6	37.3	36.0
72.5°	22.6	20.0	22.6	22.6	22.6	20.0	22.6	20.0	21.3	21.3	24.0
75°	12.0	10.6	9.3	13.3	9.3	10.6	12.0	12.0	12.0	12.0	13.3
77.5°	8.0	6.6	9.3	9.3	9.3	6.6	8.0	6.6	8.0	6.6	8.0
80°	4.0	5.3	4.0	6.6	4.0	5.3	4.0	6.6	4.0	5.3	5.3
82.5°	1.3	2.7	2.7	2.7	2.7	2.7	1.3	1.3	2.7	2.7	1.3
85°	0.0	2.7	1.3	1.3	1.3	2.7	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	0.0	0.0	1.3	0.0	0.0	1.3	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: P248641

CATALOG NUMBER: LD8B60D010 ER8B609730 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9
2.5°	2755.9	2751.9	2753.2	2745.2	2745.2	2742.5	2743.9	2737.2	2734.6	2731.9	2735.9
5°	2795.8	2789.2	2783.8	2771.9	2765.2	2757.2	2753.2	2742.5	2733.2	2725.2	2723.9
7.5°	2827.8	2813.2	2803.8	2787.8	2775.9	2766.6	2753.2	2738.5	2726.6	2715.9	2707.9
10°	2841.1	2826.5	2811.8	2791.8	2778.5	2761.2	2747.9	2729.2	2713.3	2698.6	2689.3
12.5°	2842.4	2823.8	2810.5	2787.8	2770.5	2751.9	2737.2	2715.9	2697.3	2682.6	2668.0
15°	2830.5	2813.2	2797.2	2773.2	2755.9	2738.5	2721.3	2698.6	2681.3	2664.0	2653.3
17.5°	2803.8	2787.8	2769.2	2746.5	2730.6	2714.6	2695.9	2677.3	2657.3	2638.6	2625.3
20°	2769.2	2751.9	2735.9	2713.3	2699.9	2682.6	2665.3	2645.3	2629.3	2610.7	2596.1
22.5°	2717.3	2701.3	2686.6	2673.3	2652.0	2638.6	2626.7	2604.1	2588.0	2570.7	2554.8
25°	2642.7	2626.7	2614.7	2598.7	2589.4	2574.7	2562.7	2542.8	2528.1	2512.1	2498.8
27.5°	2520.1	2510.8	2504.1	2494.8	2486.8	2480.1	2473.5	2457.5	2446.9	2432.2	2418.9
30°	2336.3	2335.0	2331.0	2327.0	2332.3	2332.3	2332.3	2329.7	2320.3	2309.6	2300.3
32.5°	2100.5	2103.2	2108.5	2112.5	2123.2	2135.2	2145.8	2151.1	2151.1	2144.5	2140.5
35°	1819.5	1823.5	1831.5	1842.1	1855.5	1870.1	1894.1	1899.4	1903.4	1903.4	1898.1
37.5°	1527.8	1526.5	1534.5	1543.8	1551.8	1562.4	1579.7	1583.7	1590.4	1587.8	1582.4
40°	1244.0	1237.4	1234.7	1237.4	1246.7	1242.7	1246.7	1244.0	1244.0	1234.7	1234.7
42.5°	981.7	973.7	968.3	964.4	964.4	955.0	948.4	941.7	937.7	931.0	929.7
45°	756.6	747.2	740.6	737.9	734.0	721.9	713.9	705.9	696.6	694.0	695.3
47.5°	587.4	578.1	575.4	568.8	562.1	555.4	550.1	540.8	539.4	534.1	539.4
50°	452.9	450.2	446.2	443.5	439.5	434.2	428.9	423.6	420.9	420.9	422.2
52.5°	351.7	353.0	349.0	345.0	342.3	342.3	335.6	334.3	334.3	329.0	334.3
55°	269.1	267.7	269.1	266.4	266.4	262.4	262.4	258.4	258.4	254.4	257.1
57.5°	197.2	199.8	197.2	198.5	201.2	197.2	195.8	191.8	194.5	191.8	193.2
60°	153.2	153.2	153.2	151.9	151.9	150.5	150.5	149.2	149.2	146.5	149.2
62.5°	113.2	114.5	114.5	114.5	115.9	114.5	113.2	114.5	113.2	113.2	114.5
65°	74.6	75.9	75.9	74.6	77.2	74.6	75.9	77.2	78.6	77.2	78.6
67.5°	50.6	50.6	52.0	53.3	52.0	53.3	54.6	53.3	54.6	57.3	54.6
70°	37.3	38.7	38.7	37.3	36.0	37.3	36.0	40.0	40.0	40.0	42.6
72.5°	24.0	24.0	22.6	22.6	22.6	22.6	22.6	26.6	24.0	22.6	25.3
75°	13.3	14.6	14.6	10.6	12.0	14.6	10.6	12.0	16.0	13.3	16.0
77.5°	8.0	8.0	8.0	8.0	8.0	8.0	10.6	9.3	9.3	9.3	10.6
80°	6.6	5.3	5.3	4.0	5.3	5.3	5.3	8.0	6.6	6.6	8.0
82.5°	2.7	2.7	1.3	0.0	2.7	2.7	2.7	2.7	2.7	2.7	5.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	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: P248641

CATALOG NUMBER: LD8B60D010 ER8B609730 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9
2.5°	2725.2	2725.2	2723.9	2721.3	2715.9	2715.9	2714.6	2710.6	2707.9	2706.6	2706.6
5°	2711.9	2706.6	2701.3	2686.6	2686.6	2683.9	2676.0	2670.6	2668.0	2661.3	2658.7
7.5°	2699.9	2683.9	2674.6	2665.3	2653.3	2648.0	2638.6	2634.6	2625.3	2618.7	2614.7
10°	2670.6	2660.0	2648.0	2633.3	2624.0	2613.4	2602.7	2594.7	2582.7	2576.0	2570.7
12.5°	2650.7	2634.6	2624.0	2608.0	2592.0	2582.7	2568.1	2558.8	2546.8	2533.4	2525.4
15°	2632.0	2614.7	2600.1	2582.7	2565.4	2554.8	2537.4	2526.8	2509.5	2496.2	2486.8
17.5°	2604.1	2589.4	2573.4	2552.1	2536.1	2522.8	2504.1	2490.8	2474.8	2457.5	2448.2
20°	2574.7	2557.4	2541.4	2520.1	2504.1	2488.2	2469.5	2454.9	2436.2	2420.2	2409.6
22.5°	2536.1	2516.1	2502.8	2481.5	2462.8	2445.6	2428.2	2410.9	2393.6	2380.3	2368.2
25°	2480.1	2458.8	2444.2	2426.9	2409.6	2396.3	2374.9	2364.3	2347.0	2335.0	2323.0
27.5°	2400.2	2384.3	2370.9	2353.6	2339.0	2328.3	2312.3	2301.7	2287.0	2276.4	2267.0
30°	2283.1	2269.7	2257.7	2240.4	2229.8	2220.4	2205.7	2196.4	2185.8	2173.8	2171.2
32.5°	2125.9	2115.2	2103.2	2091.2	2083.2	2077.9	2065.9	2060.6	2049.9	2043.2	2036.6
35°	1888.7	1879.4	1872.8	1867.5	1864.8	1866.1	1863.5	1868.8	1871.4	1870.1	1871.4
37.5°	1578.4	1573.1	1575.7	1579.7	1593.1	1610.4	1626.3	1650.3	1666.3	1682.3	1697.0
40°	1232.1	1236.1	1246.7	1270.7	1305.3	1344.0	1380.0	1425.2	1470.5	1502.5	1531.8
42.5°	929.7	941.7	968.3	1003.0	1055.0	1112.2	1168.2	1234.7	1289.4	1342.6	1380.0
45°	699.3	715.3	749.9	797.9	855.1	921.7	992.3	1066.9	1132.2	1186.8	1228.1
47.5°	544.8	559.4	594.1	644.7	715.3	784.6	857.8	935.1	1003.0	1056.3	1092.2
50°	430.2	448.9	479.5	532.8	603.4	676.7	752.6	828.5	892.5	937.7	969.7
52.5°	338.3	355.7	384.9	440.9	512.8	586.1	656.6	731.3	787.2	831.2	852.5
55°	262.4	278.4	309.0	355.7	423.6	495.5	566.1	630.1	682.0	713.9	734.0
57.5°	199.8	211.8	233.1	279.7	341.0	407.6	467.6	531.5	571.4	594.1	607.4
60°	151.9	161.2	183.8	219.8	275.7	333.0	383.6	431.6	463.6	482.2	495.5
62.5°	114.5	125.2	141.2	171.8	214.4	261.1	303.7	339.6	366.3	378.3	387.6
65°	78.6	86.6	98.6	122.5	158.5	191.8	225.1	251.8	269.1	282.4	287.7
67.5°	58.6	63.9	70.6	89.3	114.5	141.2	163.8	182.5	201.2	206.5	215.8
70°	44.0	48.0	54.6	67.9	82.6	101.2	119.9	130.5	143.9	153.2	155.9
72.5°	28.0	29.3	36.0	44.0	55.9	67.9	79.9	89.3	97.3	102.6	105.2
75°	16.0	24.0	24.0	32.0	40.0	45.3	53.3	59.9	63.9	67.9	67.9
77.5°	10.6	14.6	16.0	20.0	24.0	30.6	37.3	41.3	45.3	46.6	46.6
80°	9.3	10.6	10.6	14.6	17.3	22.6	26.6	28.0	30.6	32.0	34.6
82.5°	4.0	5.3	6.6	10.6	12.0	12.0	16.0	17.3	20.0	21.3	21.3
85°	1.3	2.7	2.7	4.0	6.6	8.0	9.3	10.6	12.0	12.0	13.3
87.5°	1.3	1.3	0.0	1.3	2.7	2.7	5.3	5.3	5.3	8.0	8.0
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: P248641

CATALOG NUMBER: LD8B60D010 ER8B609730 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9	2727.9
2.5°	2703.9	2705.3	2699.9	2698.6	2695.9	2697.3	2699.9
5°	2654.7	2656.0	2650.7	2645.3	2645.3	2644.0	2645.3
7.5°	2608.0	2609.4	2601.4	2598.7	2593.4	2594.7	2594.7
10°	2561.4	2561.4	2549.4	2548.1	2544.1	2542.8	2542.8
12.5°	2516.1	2512.1	2502.8	2497.5	2500.2	2492.2	2492.2
15°	2476.1	2469.5	2457.5	2453.5	2446.9	2444.2	2444.2
17.5°	2434.9	2429.5	2418.9	2410.9	2402.9	2401.6	2402.9
20°	2394.9	2389.6	2376.3	2370.9	2364.3	2364.3	2361.6
22.5°	2354.9	2349.6	2337.7	2333.7	2324.3	2324.3	2325.7
25°	2313.6	2309.6	2296.3	2293.7	2292.4	2287.0	2289.7
27.5°	2257.7	2255.0	2244.4	2240.4	2235.1	2233.8	2236.4
30°	2155.1	2151.1	2143.2	2139.2	2129.9	2131.2	2133.8
32.5°	2027.3	2022.0	2011.3	2007.3	1999.3	1996.6	1998.0
35°	1867.5	1863.5	1854.1	1854.1	1846.1	1843.5	1846.1
37.5°	1705.0	1708.9	1705.0	1708.9	1705.0	1703.6	1705.0
40°	1551.8	1566.4	1569.1	1583.7	1578.4	1586.4	1585.1
42.5°	1405.2	1429.2	1438.6	1450.5	1447.9	1453.2	1457.2
45°	1257.4	1277.4	1286.7	1294.7	1296.0	1298.7	1300.0
47.5°	1117.5	1133.5	1134.8	1144.2	1142.8	1142.8	1146.8
50°	987.0	997.7	1000.3	1007.0	1001.7	999.0	1000.3
52.5°	865.8	876.4	873.8	876.4	869.8	867.1	868.4
55°	741.9	747.2	747.2	747.2	739.3	739.3	739.3
57.5°	615.4	616.7	614.0	615.4	614.0	606.0	604.7
60°	499.5	499.5	498.1	499.5	495.5	491.5	491.5
62.5°	390.2	392.9	398.3	392.9	390.2	392.9	388.9
65°	291.7	297.0	295.7	298.4	297.0	297.0	294.4
67.5°	219.8	221.1	222.4	223.8	223.8	223.8	223.8
70°	161.2	165.2	163.8	163.8	163.8	163.8	171.8
72.5°	107.9	113.2	111.9	114.5	114.5	117.2	114.5
75°	73.2	78.6	75.9	79.9	78.6	75.9	82.6
77.5°	49.3	52.0	53.3	54.6	53.3	52.0	53.3
80°	34.6	37.3	36.0	37.3	37.3	37.3	38.7
82.5°	21.3	25.3	24.0	25.3	24.0	25.3	25.3
85°	14.6	16.0	13.3	16.0	14.6	14.6	17.3
87.5°	9.3	8.0	8.0	9.3	8.0	9.3	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)