

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: P246023

Luminaire Tested: **LD8B50D010 ER8B50927 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246023  
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: LD8B50D010 ER8B50927 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4267.1 lumens  
Efficiency: N/A  
Efficacy: 80.5 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

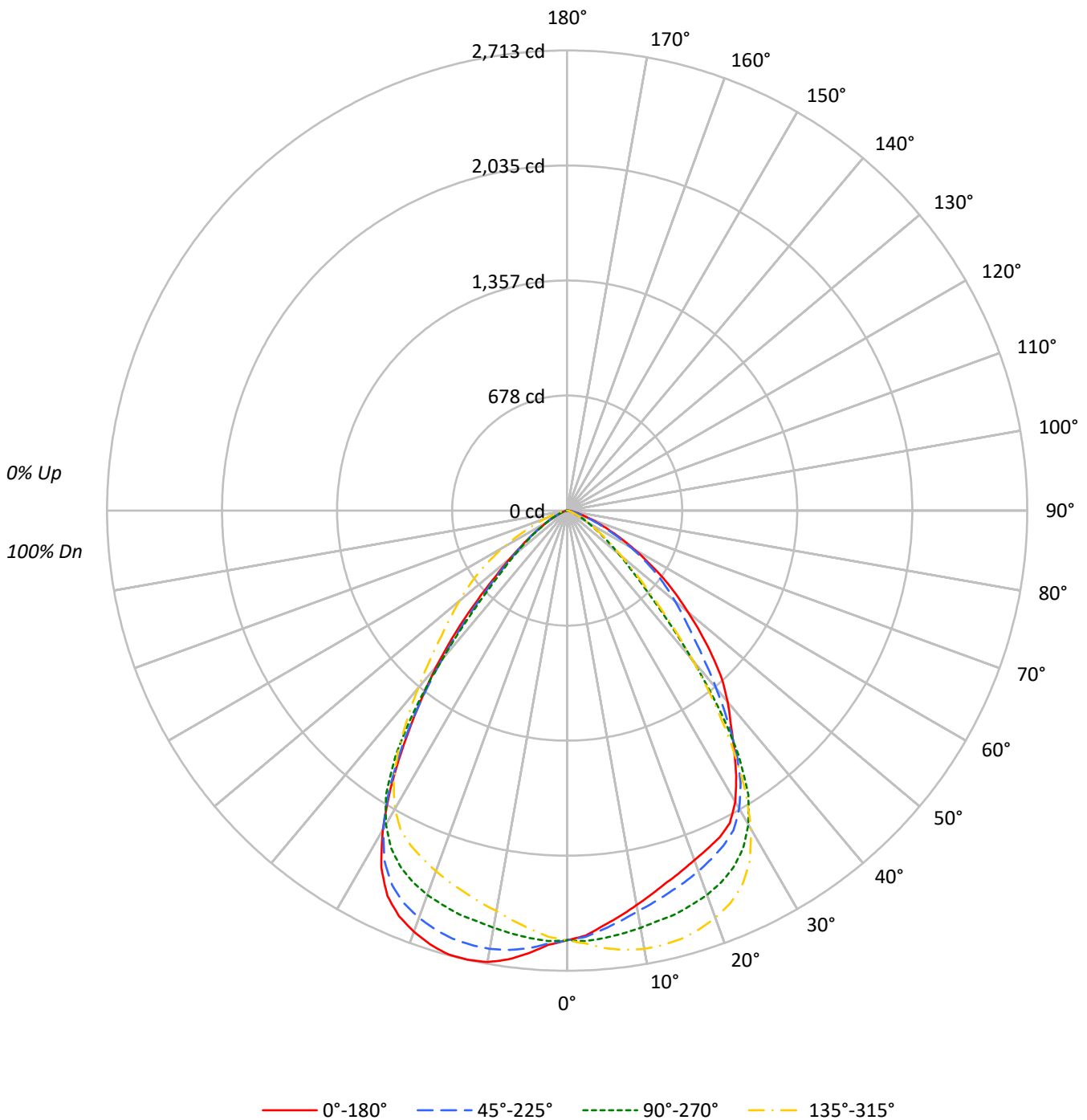
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	241.1	5.7
10°-20°	698.2	16.4
20°-30°	1057.3	24.8
30°-40°	1059.6	24.8
40°-50°	665.4	15.6
50°-60°	354.6	8.3
60°-70°	145.8	3.4
70°-80°	38.5	0.9
80°-90°	6.5	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°	1996.6	46.8
0°-40°	3056.3	71.6
0°-60°	4076.3	95.5
0°-90°	4267.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4267.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2533	2533	2533	2533	2533	
5°	2456	2530	2620	2530	2456	232
15°	2270	2464	2709	2464	2270	642
25°	2126	2320	2507	2320	2126	975
35°	1714	1763	1672	1763	1714	1074
45°	1207	646	747	646	1207	928
55°	686	239	252	239	686	612
65°	273	73	67	73	273	284
75°	77	15	12	15	77	87
85°	16	0	1	0	16	18
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°	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3
2.5°	2507.3	2504.8	2503.6	2506.0	2507.3	2512.2	2511.0	2513.5	2513.5	2514.7	2517.2
5°	2456.5	2455.3	2456.5	2456.5	2461.5	2466.5	2465.2	2468.9	2471.4	2477.6	2480.1
7.5°	2409.6	2409.6	2408.3	2413.2	2415.7	2423.1	2421.9	2428.1	2431.8	2438.0	2446.6
10°	2361.4	2361.4	2362.5	2366.2	2367.6	2378.6	2378.6	2387.2	2392.2	2398.4	2409.6
12.5°	2314.4	2314.4	2321.8	2319.3	2324.2	2332.9	2336.6	2345.3	2352.7	2365.1	2376.2
15°	2269.8	2269.8	2272.3	2278.5	2282.2	2293.3	2299.5	2309.4	2318.1	2330.4	2346.5
17.5°	2231.4	2230.2	2231.4	2238.9	2246.3	2256.2	2261.1	2273.5	2282.2	2298.3	2313.1
20°	2193.1	2195.5	2195.5	2201.7	2206.7	2219.1	2224.0	2237.6	2247.5	2262.4	2279.7
22.5°	2159.7	2158.5	2158.5	2167.1	2170.8	2181.9	2186.9	2199.3	2210.4	2222.8	2238.9
25°	2126.2	2123.8	2128.8	2130.1	2132.4	2144.8	2148.5	2157.2	2168.3	2179.5	2195.5
27.5°	2076.9	2074.4	2075.6	2080.6	2084.3	2094.1	2096.7	2105.3	2114.0	2123.8	2137.5
30°	1981.6	1979.1	1977.9	1986.5	1990.2	1997.7	2001.4	2016.2	2018.7	2029.8	2039.7
32.5°	1855.4	1854.2	1856.7	1864.0	1867.7	1877.7	1882.7	1891.2	1897.4	1903.6	1913.5
35°	1714.4	1711.9	1714.4	1721.8	1721.8	1730.5	1734.2	1737.9	1736.7	1737.9	1735.4
37.5°	1583.3	1582.1	1583.3	1586.9	1583.3	1586.9	1583.3	1575.9	1562.3	1547.4	1532.6
40°	1472.0	1473.2	1465.8	1470.7	1457.1	1454.6	1441.0	1422.4	1395.3	1365.6	1323.6
42.5°	1353.3	1349.6	1344.6	1347.1	1335.9	1327.2	1305.0	1281.5	1246.8	1197.3	1146.6
45°	1207.2	1206.0	1203.5	1202.3	1194.9	1186.2	1167.6	1140.4	1102.2	1051.4	990.8
47.5°	1065.0	1061.3	1061.3	1062.6	1053.9	1052.7	1037.8	1014.3	980.9	931.4	868.4
50°	928.9	927.7	930.2	935.1	928.9	926.4	916.6	900.6	870.9	828.8	769.4
52.5°	806.5	805.3	807.8	813.9	811.5	813.9	804.0	791.7	771.9	731.0	679.1
55°	686.5	686.5	686.5	693.9	693.9	693.9	688.9	681.5	663.0	633.3	585.1
57.5°	561.6	562.8	570.3	571.5	570.3	572.7	571.5	564.1	551.7	530.7	493.5
60°	456.4	456.4	460.1	463.8	462.6	463.8	463.8	460.1	447.8	430.4	400.8
62.5°	361.1	365.0	362.4	365.0	369.8	365.0	362.4	360.0	351.3	340.2	315.4
65°	273.4	275.8	275.8	277.1	274.6	275.8	270.9	267.2	262.2	249.9	233.8
67.5°	207.8	207.8	207.8	207.8	206.6	205.3	204.1	200.4	191.7	186.8	169.4
70°	159.5	152.1	152.1	152.1	152.1	153.5	149.7	144.8	142.2	133.6	121.3
72.5°	106.3	108.9	106.3	106.3	104.0	105.2	100.2	97.6	95.3	90.3	82.9
75°	76.7	70.5	73.0	74.2	70.5	73.0	68.1	63.1	63.1	59.4	55.7
77.5°	49.5	48.3	49.5	50.7	49.5	48.3	45.8	43.3	43.3	42.1	38.4
80°	35.9	34.6	34.6	34.6	33.4	34.6	32.2	32.2	29.7	28.5	26.0
82.5°	23.5	23.5	22.3	23.5	22.3	23.5	19.8	19.8	19.8	18.6	16.1
85°	16.1	13.6	13.6	14.8	12.4	14.8	13.6	12.4	11.1	11.1	9.9
87.5°	7.4	8.7	7.4	8.7	7.4	7.4	8.7	7.4	7.4	5.0	5.0
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°	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3
2.5°	2520.9	2522.1	2522.1	2527.1	2529.6	2530.8	2530.8	2540.7	2537.0	2539.5	2541.9
5°	2485.0	2492.4	2494.9	2494.9	2508.5	2513.5	2518.4	2529.6	2530.8	2538.2	2546.9
7.5°	2450.4	2459.0	2464.0	2475.1	2483.8	2492.4	2507.3	2514.7	2522.1	2532.0	2543.2
10°	2417.0	2426.8	2436.8	2445.4	2459.0	2470.2	2480.1	2497.4	2506.0	2519.7	2534.5
12.5°	2384.9	2398.4	2407.0	2421.9	2436.8	2446.6	2461.5	2477.6	2491.2	2504.8	2522.1
15°	2356.4	2372.5	2382.3	2398.4	2414.5	2428.1	2444.2	2464.0	2473.9	2490.0	2506.0
17.5°	2325.4	2342.8	2355.2	2369.9	2389.8	2404.6	2418.2	2438.0	2450.4	2467.7	2486.2
20°	2293.3	2310.6	2325.4	2340.3	2360.1	2374.9	2391.0	2410.8	2424.4	2441.7	2456.5
22.5°	2255.0	2271.0	2287.1	2304.5	2324.2	2336.6	2355.2	2372.5	2387.2	2403.3	2418.2
25°	2205.5	2225.2	2237.6	2253.7	2269.8	2283.4	2303.2	2320.5	2332.9	2347.8	2361.4
27.5°	2147.3	2162.2	2172.0	2185.6	2201.7	2214.1	2229.0	2246.3	2258.7	2272.3	2282.2
30°	2048.4	2062.0	2070.7	2080.6	2096.7	2107.8	2120.2	2136.2	2144.8	2154.7	2163.4
32.5°	1918.5	1929.6	1934.6	1942.0	1953.1	1964.2	1974.2	1987.8	1991.5	1997.7	1997.7
35°	1730.5	1733.0	1731.7	1734.2	1739.1	1745.3	1754.0	1762.6	1767.6	1767.6	1763.9
37.5°	1510.3	1495.5	1479.4	1467.0	1463.3	1460.8	1465.8	1469.5	1474.4	1476.9	1470.7
40°	1281.5	1248.1	1212.2	1180.0	1157.7	1148.0	1144.2	1146.6	1146.6	1155.3	1155.3
42.5°	1084.8	1032.9	979.6	931.4	899.2	874.6	863.4	863.4	864.6	870.9	874.6
45°	921.5	856.0	794.1	740.9	696.4	664.2	649.4	645.6	644.5	646.9	655.5
47.5°	796.6	728.6	664.2	598.7	551.7	519.5	505.9	501.0	496.0	501.0	502.2
50°	698.8	628.4	560.4	494.8	445.3	416.8	399.5	392.1	390.8	390.8	393.4
52.5°	609.8	544.3	476.2	409.5	357.4	330.3	314.2	310.5	305.6	310.5	310.5
55°	525.7	460.1	393.4	330.3	287.0	258.5	243.7	238.7	236.2	240.0	240.0
57.5°	434.1	378.4	316.7	259.8	216.4	196.6	185.5	179.3	178.1	180.6	178.1
60°	356.3	309.3	256.0	204.1	170.7	149.7	141.1	138.5	136.0	138.5	138.5
62.5°	282.0	242.4	199.1	159.5	131.1	116.3	106.3	106.3	105.2	105.2	106.3
65°	209.0	178.1	147.2	113.7	91.6	80.4	73.0	73.0	71.8	73.0	71.8
67.5°	152.1	131.1	106.3	82.9	65.6	59.4	54.4	50.7	53.2	50.7	49.5
70°	111.4	93.9	76.7	63.1	50.7	44.6	40.8	39.6	37.1	37.1	37.1
72.5°	74.2	63.1	52.0	40.8	33.4	27.2	26.0	23.5	21.0	22.3	24.8
75°	49.5	42.1	37.1	29.7	22.3	22.3	14.8	14.8	12.4	14.8	11.1
77.5°	34.6	28.5	22.3	18.6	14.8	13.6	9.9	9.9	8.7	8.7	8.7
80°	24.8	21.0	16.1	13.6	9.9	9.9	8.7	7.4	6.2	6.2	7.4
82.5°	14.8	11.1	11.1	9.9	6.2	5.0	3.7	5.0	2.5	2.5	2.5
85°	8.7	7.4	6.2	3.7	2.5	2.5	1.2	0.0	1.2	1.2	0.0
87.5°	5.0	2.5	2.5	1.2	0.0	1.2	1.2	0.0	0.0	0.0	2.5
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°	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3
2.5°	2548.1	2546.9	2549.4	2549.4	2556.8	2555.5	2559.3	2559.3	2556.8	2558.0	2563.0
5°	2556.8	2560.5	2567.9	2574.1	2585.1	2590.2	2596.4	2602.6	2603.8	2607.5	2611.2
7.5°	2556.8	2569.2	2577.8	2588.8	2603.8	2612.5	2626.0	2637.2	2642.1	2648.2	2655.7
10°	2551.8	2564.2	2580.3	2592.7	2611.2	2624.8	2638.4	2655.7	2663.1	2673.0	2682.9
12.5°	2541.9	2555.5	2572.8	2588.8	2609.9	2622.3	2639.6	2655.7	2666.8	2680.4	2691.6
15°	2527.1	2543.2	2559.3	2575.4	2597.5	2612.5	2628.6	2647.0	2658.2	2673.0	2682.9
17.5°	2503.6	2520.9	2535.8	2550.6	2571.6	2588.8	2603.8	2621.1	2632.3	2644.6	2658.2
20°	2475.1	2491.2	2507.3	2519.7	2540.7	2555.5	2571.6	2587.7	2596.4	2598.9	2619.9
22.5°	2439.2	2450.4	2462.7	2482.5	2494.9	2508.5	2523.4	2538.2	2546.9	2560.5	2567.9
25°	2379.8	2391.0	2404.6	2413.2	2428.1	2439.2	2454.1	2470.2	2475.1	2485.0	2492.4
27.5°	2297.0	2303.2	2309.4	2316.8	2325.4	2331.7	2340.3	2347.8	2352.7	2357.5	2362.5
30°	2165.8	2165.8	2165.8	2160.9	2164.6	2168.3	2169.6	2168.3	2168.3	2167.1	2167.1
32.5°	1992.7	1982.8	1971.7	1961.8	1958.1	1953.1	1950.6	1946.9	1940.7	1937.0	1938.3
35°	1758.9	1736.7	1723.0	1710.7	1700.8	1693.4	1689.6	1685.9	1684.7	1679.7	1674.8
37.5°	1467.0	1450.9	1441.0	1433.6	1424.9	1417.5	1418.7	1420.0	1423.7	1421.2	1422.4
40°	1157.7	1154.0	1157.7	1149.1	1146.6	1149.1	1155.3	1164.0	1168.9	1173.8	1182.5
42.5°	880.6	886.8	895.6	895.6	899.2	904.3	911.6	925.2	932.6	941.3	951.2
45°	663.0	670.4	681.5	685.2	687.7	693.9	702.6	713.7	718.6	726.1	734.7
47.5°	510.9	515.8	522.0	528.2	534.4	536.8	545.5	545.5	551.7	556.6	559.1
50°	398.2	403.2	408.2	411.9	414.3	418.0	420.5	424.2	425.5	428.0	429.2
52.5°	311.7	317.9	317.9	320.4	324.1	327.8	326.6	327.8	329.0	329.0	332.8
55°	243.7	243.7	247.4	247.4	249.9	248.6	249.9	249.9	249.9	249.9	251.1
57.5°	181.8	183.0	186.8	184.3	183.0	185.5	183.0	185.5	184.3	186.8	183.0
60°	139.7	139.7	141.1	141.1	142.2	142.2	142.2	141.1	141.1	139.7	139.7
62.5°	105.2	106.3	107.7	106.3	106.3	106.3	105.2	105.2	104.0	102.6	102.6
65°	70.5	69.3	71.8	69.3	70.5	70.5	69.3	70.5	66.8	68.1	66.8
67.5°	50.7	49.5	48.3	49.5	48.3	47.0	47.0	48.3	49.5	45.8	45.8
70°	33.4	34.6	33.4	34.6	35.9	35.9	34.6	33.4	34.6	32.2	33.4
72.5°	21.0	21.0	21.0	21.0	21.0	22.3	22.3	22.3	19.8	19.8	18.6
75°	9.9	13.6	11.1	9.9	13.6	13.6	12.4	12.4	11.1	11.1	11.1
77.5°	9.9	7.4	7.4	7.4	7.4	7.4	7.4	7.4	6.2	7.4	6.2
80°	5.0	5.0	5.0	3.7	5.0	5.0	6.2	5.0	5.0	3.7	6.2
82.5°	2.5	2.5	2.5	0.0	1.2	2.5	2.5	1.2	2.5	2.5	1.2
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: P246023

CATALOG NUMBER: LD8B50D010 ER8B50927 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3
2.5°	2561.7	2560.5	2561.7	2563.0	2561.7	2560.5	2561.7	2563.0	2558.0	2556.8	2559.3
5°	2616.2	2616.2	2618.5	2619.9	2618.5	2616.2	2616.2	2611.2	2607.5	2603.8	2602.6
7.5°	2663.1	2665.7	2668.0	2669.3	2668.0	2665.7	2663.1	2655.7	2648.2	2642.1	2637.2
10°	2691.6	2695.3	2700.2	2702.7	2700.2	2695.3	2691.6	2682.9	2673.0	2663.1	2655.7
12.5°	2703.9	2707.6	2713.8	2712.6	2713.8	2707.6	2703.9	2691.6	2680.4	2666.8	2655.7
15°	2695.3	2700.2	2706.4	2708.9	2706.4	2700.2	2695.3	2682.9	2673.0	2658.2	2647.0
17.5°	2668.0	2675.5	2679.2	2682.9	2679.2	2675.5	2668.0	2658.2	2644.6	2632.3	2621.1
20°	2630.9	2636.0	2640.9	2642.1	2640.9	2636.0	2630.9	2619.9	2598.9	2596.4	2587.7
22.5°	2577.8	2581.5	2592.7	2588.8	2592.7	2581.5	2577.8	2567.9	2560.5	2546.9	2538.2
25°	2501.1	2504.8	2506.0	2507.3	2506.0	2504.8	2501.1	2492.4	2485.0	2475.1	2470.2
27.5°	2368.8	2368.8	2371.2	2372.5	2371.2	2368.8	2368.8	2362.5	2357.5	2352.7	2347.8
30°	2168.3	2168.3	2168.3	2174.6	2168.3	2168.3	2168.3	2167.1	2167.1	2168.3	2168.3
32.5°	1937.0	1934.6	1932.1	1934.6	1932.1	1934.6	1937.0	1938.3	1937.0	1940.7	1946.9
35°	1674.8	1673.6	1677.3	1672.3	1677.3	1673.6	1674.8	1674.8	1679.7	1684.7	1685.9
37.5°	1423.7	1421.2	1426.2	1421.2	1426.2	1421.2	1423.7	1422.4	1421.2	1423.7	1420.0
40°	1185.0	1187.4	1187.4	1197.3	1187.4	1187.4	1185.0	1182.5	1173.8	1168.9	1164.0
42.5°	956.1	963.6	961.1	968.5	961.1	963.6	956.1	951.2	941.3	932.6	925.2
45°	739.7	744.6	744.6	747.1	744.6	744.6	739.7	734.7	726.1	718.6	713.7
47.5°	567.8	567.8	567.8	569.0	567.8	567.8	567.8	559.1	556.6	551.7	545.5
50°	431.7	432.9	434.1	435.4	434.1	432.9	431.7	429.2	428.0	425.5	424.2
52.5°	331.5	332.8	330.3	332.8	330.3	332.8	331.5	332.8	329.0	329.0	327.8
55°	251.1	249.9	251.1	252.3	251.1	249.9	251.1	251.1	249.9	249.9	249.9
57.5°	184.3	181.8	181.8	181.8	181.8	181.8	184.3	183.0	186.8	184.3	185.5
60°	137.4	138.5	138.5	139.7	138.5	138.5	137.4	139.7	139.7	141.1	141.1
62.5°	101.5	105.2	102.6	105.2	102.6	105.2	101.5	102.6	102.6	104.0	105.2
65°	65.6	65.6	65.6	66.8	65.6	65.6	65.6	66.8	68.1	66.8	70.5
67.5°	44.6	45.8	48.3	47.0	48.3	45.8	44.6	45.8	45.8	49.5	48.3
70°	35.9	32.2	32.2	35.9	32.2	32.2	35.9	33.4	32.2	34.6	33.4
72.5°	21.0	18.6	21.0	21.0	21.0	18.6	21.0	18.6	19.8	19.8	22.3
75°	11.1	9.9	8.7	12.4	8.7	9.9	11.1	11.1	11.1	11.1	12.4
77.5°	7.4	6.2	8.7	8.7	8.7	6.2	7.4	6.2	7.4	6.2	7.4
80°	3.7	5.0	3.7	6.2	3.7	5.0	3.7	6.2	3.7	5.0	5.0
82.5°	1.2	2.5	2.5	2.5	2.5	2.5	1.2	1.2	2.5	2.5	1.2
85°	0.0	2.5	1.2	1.2	1.2	2.5	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	0.0	0.0	1.2	0.0	0.0	1.2	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: P246023

CATALOG NUMBER: LD8B50D010 ER8B50927 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3
2.5°	2559.3	2555.5	2556.8	2549.4	2549.4	2546.9	2548.1	2541.9	2539.5	2537.0	2540.7
5°	2596.4	2590.2	2585.1	2574.1	2567.9	2560.5	2556.8	2546.9	2538.2	2530.8	2529.6
7.5°	2626.0	2612.5	2603.8	2588.8	2577.8	2569.2	2556.8	2543.2	2532.0	2522.1	2514.7
10°	2638.4	2624.8	2611.2	2592.7	2580.3	2564.2	2551.8	2534.5	2519.7	2506.0	2497.4
12.5°	2639.6	2622.3	2609.9	2588.8	2572.8	2555.5	2541.9	2522.1	2504.8	2491.2	2477.6
15°	2628.6	2612.5	2597.5	2575.4	2559.3	2543.2	2527.1	2506.0	2490.0	2473.9	2464.0
17.5°	2603.8	2588.8	2571.6	2550.6	2535.8	2520.9	2503.6	2486.2	2467.7	2450.4	2438.0
20°	2571.6	2555.5	2540.7	2519.7	2507.3	2491.2	2475.1	2456.5	2441.7	2424.4	2410.8
22.5°	2523.4	2508.5	2494.9	2482.5	2462.7	2450.4	2439.2	2418.2	2403.3	2387.2	2372.5
25°	2454.1	2439.2	2428.1	2413.2	2404.6	2391.0	2379.8	2361.4	2347.8	2332.9	2320.5
27.5°	2340.3	2331.7	2325.4	2316.8	2309.4	2303.2	2297.0	2282.2	2272.3	2258.7	2246.3
30°	2169.6	2168.3	2164.6	2160.9	2165.8	2165.8	2165.8	2163.4	2154.7	2144.8	2136.2
32.5°	1950.6	1953.1	1958.1	1961.8	1971.7	1982.8	1992.7	1997.7	1997.7	1991.5	1987.8
35°	1689.6	1693.4	1700.8	1710.7	1723.0	1736.7	1758.9	1763.9	1767.6	1767.6	1762.6
37.5°	1418.7	1417.5	1424.9	1433.6	1441.0	1450.9	1467.0	1470.7	1476.9	1474.4	1469.5
40°	1155.3	1149.1	1146.6	1149.1	1157.7	1154.0	1157.7	1155.3	1155.3	1146.6	1146.6
42.5°	911.6	904.3	899.2	895.6	895.6	886.8	880.6	874.6	870.9	864.6	863.4
45°	702.6	693.9	687.7	685.2	681.5	670.4	663.0	655.5	646.9	644.5	645.6
47.5°	545.5	536.8	534.4	528.2	522.0	515.8	510.9	502.2	501.0	496.0	501.0
50°	420.5	418.0	414.3	411.9	408.2	403.2	398.2	393.4	390.8	390.8	392.1
52.5°	326.6	327.8	324.1	320.4	317.9	317.9	311.7	310.5	310.5	305.6	310.5
55°	249.9	248.6	249.9	247.4	247.4	243.7	243.7	240.0	240.0	236.2	238.7
57.5°	183.0	185.5	183.0	184.3	186.8	183.0	181.8	178.1	180.6	178.1	179.3
60°	142.2	142.2	142.2	141.1	141.1	139.7	139.7	138.5	138.5	136.0	138.5
62.5°	105.2	106.3	106.3	106.3	107.7	106.3	105.2	106.3	105.2	105.2	106.3
65°	69.3	70.5	70.5	69.3	71.8	69.3	70.5	71.8	73.0	71.8	73.0
67.5°	47.0	47.0	48.3	49.5	48.3	49.5	50.7	49.5	50.7	53.2	50.7
70°	34.6	35.9	35.9	34.6	33.4	34.6	33.4	37.1	37.1	37.1	39.6
72.5°	22.3	22.3	21.0	21.0	21.0	21.0	21.0	24.8	22.3	21.0	23.5
75°	12.4	13.6	13.6	9.9	11.1	13.6	9.9	11.1	14.8	12.4	14.8
77.5°	7.4	7.4	7.4	7.4	7.4	7.4	9.9	8.7	8.7	8.7	9.9
80°	6.2	5.0	5.0	3.7	5.0	5.0	5.0	7.4	6.2	6.2	7.4
82.5°	2.5	2.5	1.2	0.0	2.5	2.5	2.5	2.5	2.5	2.5	5.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	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: P246023

CATALOG NUMBER: LD8B50D010 ER8B50927 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3
2.5°	2530.8	2530.8	2529.6	2527.1	2522.1	2522.1	2520.9	2517.2	2514.7	2513.5	2513.5
5°	2518.4	2513.5	2508.5	2494.9	2494.9	2492.4	2485.0	2480.1	2477.6	2471.4	2468.9
7.5°	2507.3	2492.4	2483.8	2475.1	2464.0	2459.0	2450.4	2446.6	2438.0	2431.8	2428.1
10°	2480.1	2470.2	2459.0	2445.4	2436.8	2426.8	2417.0	2409.6	2398.4	2392.2	2387.2
12.5°	2461.5	2446.6	2436.8	2421.9	2407.0	2398.4	2384.9	2376.2	2365.1	2352.7	2345.3
15°	2444.2	2428.1	2414.5	2398.4	2382.3	2372.5	2356.4	2346.5	2330.4	2318.1	2309.4
17.5°	2418.2	2404.6	2389.8	2369.9	2355.2	2342.8	2325.4	2313.1	2298.3	2282.2	2273.5
20°	2391.0	2374.9	2360.1	2340.3	2325.4	2310.6	2293.3	2279.7	2262.4	2247.5	2237.6
22.5°	2355.2	2336.6	2324.2	2304.5	2287.1	2271.0	2255.0	2238.9	2222.8	2210.4	2199.3
25°	2303.2	2283.4	2269.8	2253.7	2237.6	2225.2	2205.5	2195.5	2179.5	2168.3	2157.2
27.5°	2229.0	2214.1	2201.7	2185.6	2172.0	2162.2	2147.3	2137.5	2123.8	2114.0	2105.3
30°	2120.2	2107.8	2096.7	2080.6	2070.7	2062.0	2048.4	2039.7	2029.8	2018.7	2016.2
32.5°	1974.2	1964.2	1953.1	1942.0	1934.6	1929.6	1918.5	1913.5	1903.6	1897.4	1891.2
35°	1754.0	1745.3	1739.1	1734.2	1731.7	1733.0	1730.5	1735.4	1737.9	1736.7	1737.9
37.5°	1465.8	1460.8	1463.3	1467.0	1479.4	1495.5	1510.3	1532.6	1547.4	1562.3	1575.9
40°	1144.2	1148.0	1157.7	1180.0	1212.2	1248.1	1281.5	1323.6	1365.6	1395.3	1422.4
42.5°	863.4	874.6	899.2	931.4	979.6	1032.9	1084.8	1146.6	1197.3	1246.8	1281.5
45°	649.4	664.2	696.4	740.9	794.1	856.0	921.5	990.8	1051.4	1102.2	1140.4
47.5°	505.9	519.5	551.7	598.7	664.2	728.6	796.6	868.4	931.4	980.9	1014.3
50°	399.5	416.8	445.3	494.8	560.4	628.4	698.8	769.4	828.8	870.9	900.6
52.5°	314.2	330.3	357.4	409.5	476.2	544.3	609.8	679.1	731.0	771.9	791.7
55°	243.7	258.5	287.0	330.3	393.4	460.1	525.7	585.1	633.3	663.0	681.5
57.5°	185.5	196.6	216.4	259.8	316.7	378.4	434.1	493.5	530.7	551.7	564.1
60°	141.1	149.7	170.7	204.1	256.0	309.3	356.3	400.8	430.4	447.8	460.1
62.5°	106.3	116.3	131.1	159.5	199.1	242.4	282.0	315.4	340.2	351.3	360.0
65°	73.0	80.4	91.6	113.7	147.2	178.1	209.0	233.8	249.9	262.2	267.2
67.5°	54.4	59.4	65.6	82.9	106.3	131.1	152.1	169.4	186.8	191.7	200.4
70°	40.8	44.6	50.7	63.1	76.7	93.9	111.4	121.3	133.6	142.2	144.8
72.5°	26.0	27.2	33.4	40.8	52.0	63.1	74.2	82.9	90.3	95.3	97.6
75°	14.8	22.3	22.3	29.7	37.1	42.1	49.5	55.7	59.4	63.1	63.1
77.5°	9.9	13.6	14.8	18.6	22.3	28.5	34.6	38.4	42.1	43.3	43.3
80°	8.7	9.9	9.9	13.6	16.1	21.0	24.8	26.0	28.5	29.7	32.2
82.5°	3.7	5.0	6.2	9.9	11.1	11.1	14.8	16.1	18.6	19.8	19.8
85°	1.2	2.5	2.5	3.7	6.2	7.4	8.7	9.9	11.1	11.1	12.4
87.5°	1.2	1.2	0.0	1.2	2.5	2.5	5.0	5.0	5.0	7.4	7.4
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: P246023

CATALOG NUMBER: LD8B50D010 ER8B50927 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3	2533.3
2.5°	2511.0	2512.2	2507.3	2506.0	2503.6	2504.8	2507.3
5°	2465.2	2466.5	2461.5	2456.5	2456.5	2455.3	2456.5
7.5°	2421.9	2423.1	2415.7	2413.2	2408.3	2409.6	2409.6
10°	2378.6	2378.6	2367.6	2366.2	2362.5	2361.4	2361.4
12.5°	2336.6	2332.9	2324.2	2319.3	2321.8	2314.4	2314.4
15°	2299.5	2293.3	2282.2	2278.5	2272.3	2269.8	2269.8
17.5°	2261.1	2256.2	2246.3	2238.9	2231.4	2230.2	2231.4
20°	2224.0	2219.1	2206.7	2201.7	2195.5	2195.5	2193.1
22.5°	2186.9	2181.9	2170.8	2167.1	2158.5	2158.5	2159.7
25°	2148.5	2144.8	2132.4	2130.1	2128.8	2123.8	2126.2
27.5°	2096.7	2094.1	2084.3	2080.6	2075.6	2074.4	2076.9
30°	2001.4	1997.7	1990.2	1986.5	1977.9	1979.1	1981.6
32.5°	1882.7	1877.7	1867.7	1864.0	1856.7	1854.2	1855.4
35°	1734.2	1730.5	1721.8	1721.8	1714.4	1711.9	1714.4
37.5°	1583.3	1586.9	1583.3	1586.9	1583.3	1582.1	1583.3
40°	1441.0	1454.6	1457.1	1470.7	1465.8	1473.2	1472.0
42.5°	1305.0	1327.2	1335.9	1347.1	1344.6	1349.6	1353.3
45°	1167.6	1186.2	1194.9	1202.3	1203.5	1206.0	1207.2
47.5°	1037.8	1052.7	1053.9	1062.6	1061.3	1061.3	1065.0
50°	916.6	926.4	928.9	935.1	930.2	927.7	928.9
52.5°	804.0	813.9	811.5	813.9	807.8	805.3	806.5
55°	688.9	693.9	693.9	693.9	686.5	686.5	686.5
57.5°	571.5	572.7	570.3	571.5	570.3	562.8	561.6
60°	463.8	463.8	462.6	463.8	460.1	456.4	456.4
62.5°	362.4	365.0	369.8	365.0	362.4	365.0	361.1
65°	270.9	275.8	274.6	277.1	275.8	275.8	273.4
67.5°	204.1	205.3	206.6	207.8	207.8	207.8	207.8
70°	149.7	153.5	152.1	152.1	152.1	152.1	159.5
72.5°	100.2	105.2	104.0	106.3	106.3	108.9	106.3
75°	68.1	73.0	70.5	74.2	73.0	70.5	76.7
77.5°	45.8	48.3	49.5	50.7	49.5	48.3	49.5
80°	32.2	34.6	33.4	34.6	34.6	34.6	35.9
82.5°	19.8	23.5	22.3	23.5	22.3	23.5	23.5
85°	13.6	14.8	12.4	14.8	13.6	13.6	16.1
87.5°	8.7	7.4	7.4	8.7	7.4	8.7	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)