

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: P563975

Luminaire Tested: **LX6C60D010 EX6C609030 6LBLWWH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563975  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C60D010 EX6C609030 6LBLWWH  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LRLWW TRIM WITH H FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver: -

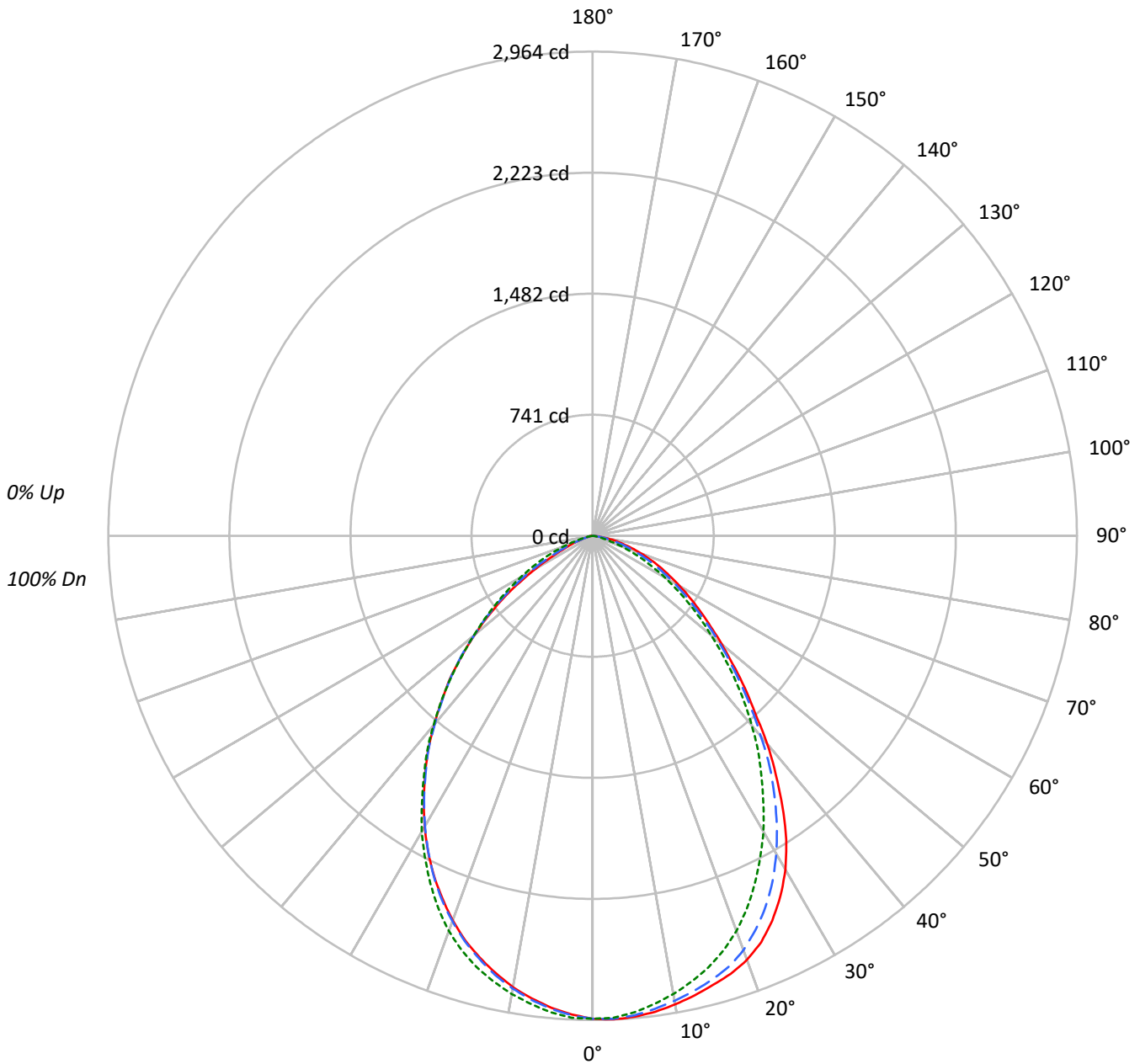
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5378.0 lumens  
Efficiency: N/A  
Efficacy: 74.7 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 72  
Input Voltage (V):  
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			89
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78			78
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68			68
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60			60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54			54
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48			48
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43			43
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	51	45	41	39			39
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33			33

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	162081	162081	162081
5°	162645	161171	159586
10°	162149	158553	156232
15°	161539	155279	151669
20°	161177	150163	146161
25°	157255	142109	138982
30°	149409	132362	130159
35°	135613	120515	119719
40°	118987	108460	107888
45°	102011	94770	95537
50°	87809	80773	80347
55°	76748	68203	64017
60°	67451	55895	43692
65°	59047	43312	26293
70°	50329	29156	15451
75°	40625	15166	8430
80°	28223	5967	4704
85°	11259	1887	2516



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	277.0	5.2
10°-20°	773.6	14.4
20°-30°	1100.9	20.5
30°-40°	1158.7	21.5
40°-50°	965.6	18.0
50°-60°	652.4	12.1
60°-70°	330.8	6.2
70°-80°	106.8	2.0
80°-90°	12.3	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°	2151.5	40.0
0°-40°	3310.2	61.6
0°-60°	4928.2	91.6
0°-90°	5378.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5378.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2957	2957	2957	2957	2957	
5°	2956	2947	2929	2907	2900	281
15°	2846	2816	2736	2681	2672	804
25°	2600	2505	2349	2301	2298	1191
35°	2026	1939	1801	1783	1789	1261
45°	1316	1282	1222	1227	1232	1018
55°	803	764	714	692	670	723
65°	455	410	334	242	203	453
75°	192	150	72	39	40	207
85°	18	10	3	4	4	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6
2.5°	2963.6	2963.6	2963.6	2963.6	2963.6	2963.6	2962.6	2962.6	2960.6	2960.6	2959.6
5°	2955.6	2956.6	2956.6	2955.6	2955.6	2953.6	2953.6	2952.6	2949.7	2947.7	2946.7
7.5°	2938.7	2938.7	2937.7	2936.7	2935.8	2932.8	2931.8	2928.8	2926.8	2924.8	2920.8
10°	2912.9	2912.9	2911.9	2909.9	2908.9	2906.9	2906.9	2903.0	2899.0	2894.0	2891.0
12.5°	2882.1	2883.1	2881.1	2880.1	2877.1	2876.1	2874.1	2869.2	2866.2	2860.2	2855.3
15°	2846.3	2848.3	2848.3	2844.3	2841.3	2840.3	2837.4	2834.4	2827.4	2821.5	2815.5
17.5°	2811.5	2813.5	2811.5	2808.5	2805.6	2801.6	2799.6	2793.6	2784.7	2776.7	2767.8
20°	2762.8	2765.8	2761.8	2756.9	2750.9	2749.9	2746.9	2737.0	2724.1	2712.1	2699.2
22.5°	2694.3	2692.3	2689.3	2687.3	2677.4	2671.4	2667.4	2654.5	2640.6	2624.7	2608.8
25°	2599.8	2603.8	2597.9	2588.9	2583.9	2578.0	2568.0	2554.1	2541.2	2524.3	2505.4
27.5°	2488.5	2488.5	2480.6	2477.6	2466.7	2458.7	2453.7	2439.8	2422.9	2406.0	2385.2
30°	2360.3	2354.4	2354.4	2340.5	2331.5	2328.5	2323.6	2300.7	2285.8	2267.9	2247.0
32.5°	2205.3	2204.3	2200.3	2191.4	2179.5	2169.5	2169.5	2153.6	2133.7	2111.9	2099.0
35°	2026.4	2027.4	2025.4	2015.5	2015.5	2003.5	2001.6	1987.6	1971.7	1954.8	1938.9
37.5°	1841.6	1845.5	1841.6	1836.6	1833.6	1832.6	1823.7	1813.7	1801.8	1791.9	1779.9
40°	1662.7	1656.7	1658.7	1648.8	1649.7	1647.8	1643.8	1630.9	1623.9	1614.0	1601.0
42.5°	1469.9	1475.8	1477.8	1471.9	1469.9	1465.9	1469.9	1464.9	1456.9	1452.0	1440.0
45°	1315.8	1309.9	1312.8	1310.9	1311.8	1303.9	1300.9	1298.9	1295.9	1287.0	1282.0
47.5°	1162.8	1163.8	1162.8	1158.8	1156.8	1156.8	1152.8	1146.9	1146.9	1140.9	1136.9
50°	1029.6	1029.6	1031.6	1026.6	1024.6	1020.7	1021.6	1015.7	1011.7	1006.7	1003.8
52.5°	907.4	908.4	904.4	905.4	903.4	903.4	899.4	895.4	891.5	882.5	880.5
55°	803.0	804.0	799.0	801.0	795.1	792.1	790.1	784.1	784.1	775.2	764.2
57.5°	705.6	704.6	703.6	700.6	696.7	693.7	690.7	683.7	680.8	674.8	665.9
60°	615.2	614.2	612.2	611.2	608.2	601.3	601.3	596.3	586.4	580.4	571.4
62.5°	529.7	529.7	528.7	525.7	522.8	519.8	517.8	513.8	503.9	496.9	489.0
65°	455.2	454.2	451.2	446.2	444.2	444.2	437.3	434.3	426.3	419.4	410.4
67.5°	383.6	379.6	377.7	378.6	372.7	372.7	366.7	361.8	354.8	342.9	335.9
70°	314.0	312.1	310.1	308.1	307.1	303.1	300.1	294.2	287.2	278.3	267.3
72.5°	251.4	251.4	248.5	246.5	243.5	239.5	237.5	232.6	224.6	214.7	206.7
75°	191.8	191.8	191.8	187.8	185.8	183.9	177.9	174.9	166.0	160.0	150.1
77.5°	141.1	139.1	136.2	135.2	133.2	131.2	128.2	123.2	115.3	108.3	102.4
80°	89.4	92.4	89.4	89.4	84.5	82.5	81.5	75.5	72.5	66.6	61.6
82.5°	49.7	50.7	48.7	47.7	44.7	43.7	43.7	39.8	37.8	33.8	30.8
85°	17.9	18.9	17.9	17.9	15.9	16.9	15.9	14.9	12.9	10.9	9.9
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6
2.5°	2959.6	2957.6	2957.6	2956.6	2955.6	2955.6	2955.6	2954.6	2952.6	2952.6	2951.7
5°	2944.7	2942.7	2939.7	2937.7	2936.7	2935.8	2934.8	2933.8	2929.8	2928.8	2925.8
7.5°	2917.9	2915.9	2910.9	2908.9	2905.9	2904.9	2901.0	2899.0	2895.0	2891.0	2889.0
10°	2886.1	2881.1	2877.1	2872.1	2870.2	2867.2	2862.2	2856.2	2853.3	2848.3	2844.3
12.5°	2850.3	2844.3	2836.4	2830.4	2828.4	2823.4	2815.5	2810.5	2803.6	2795.6	2788.7
15°	2805.6	2798.6	2791.6	2780.7	2777.7	2771.8	2763.8	2753.9	2743.9	2736.0	2728.0
17.5°	2756.9	2745.9	2735.0	2723.1	2714.1	2711.1	2698.2	2684.3	2675.4	2661.5	2652.5
20°	2688.3	2673.4	2655.5	2643.6	2635.6	2626.7	2611.8	2596.9	2585.9	2574.0	2561.1
22.5°	2593.9	2580.0	2559.1	2541.2	2535.2	2522.3	2509.4	2495.5	2481.6	2468.7	2452.8
25°	2482.6	2467.7	2446.8	2428.9	2419.0	2413.0	2388.2	2374.2	2360.3	2349.4	2338.5
27.5°	2368.3	2341.4	2327.5	2299.7	2290.8	2288.8	2265.9	2251.0	2236.1	2221.2	2207.3
30°	2227.2	2206.3	2185.4	2165.5	2153.6	2146.7	2129.8	2110.9	2100.9	2091.0	2077.1
32.5°	2081.1	2062.2	2036.3	2017.5	2008.5	1998.6	1983.7	1970.8	1955.8	1944.9	1941.9
35°	1925.0	1904.2	1882.3	1868.4	1866.4	1854.5	1839.6	1828.6	1817.7	1800.8	1797.8
37.5°	1758.1	1746.1	1731.2	1711.4	1702.4	1702.4	1687.5	1679.6	1665.6	1664.7	1656.7
40°	1594.1	1589.1	1566.3	1560.3	1558.3	1544.4	1540.4	1526.5	1516.6	1515.6	1503.7
42.5°	1432.1	1419.2	1415.2	1405.3	1396.3	1394.3	1385.4	1379.4	1375.5	1369.5	1363.5
45°	1271.1	1268.1	1258.2	1251.2	1248.2	1244.3	1241.3	1229.4	1227.4	1222.4	1219.4
47.5°	1132.0	1124.0	1115.1	1107.1	1106.1	1100.2	1093.2	1093.2	1082.3	1081.3	1079.3
50°	993.8	987.9	982.9	972.0	973.9	966.0	965.0	956.1	951.1	947.1	952.1
52.5°	872.6	860.7	858.7	849.7	846.7	847.7	836.8	833.8	831.8	827.9	825.9
55°	757.3	751.3	743.4	737.4	732.4	727.5	723.5	723.5	712.6	713.6	708.6
57.5°	655.9	651.0	641.0	632.1	630.1	624.1	619.2	614.2	613.2	606.2	601.3
60°	565.5	556.5	543.6	539.6	533.7	528.7	523.7	517.8	514.8	509.8	500.9
62.5°	481.0	466.1	461.1	453.2	446.2	443.2	435.3	428.3	423.4	416.4	409.5
65°	400.5	389.6	380.6	371.7	370.7	362.7	355.8	349.8	339.9	333.9	321.0
67.5°	327.0	317.0	307.1	298.1	291.2	289.2	278.3	271.3	264.4	252.4	241.5
70°	259.4	249.4	241.5	230.6	227.6	219.6	211.7	204.7	192.8	181.9	172.9
72.5°	197.8	186.8	177.9	169.9	165.0	158.0	150.1	142.1	130.2	119.3	111.3
75°	141.1	133.2	124.2	116.3	112.3	108.3	99.4	90.4	82.5	71.6	64.6
77.5°	95.4	87.5	79.5	72.5	67.6	64.6	58.6	51.7	44.7	38.8	33.8
80°	55.7	50.7	44.7	38.8	37.8	34.8	29.8	25.8	21.9	18.9	14.9
82.5°	26.8	23.9	19.9	16.9	14.9	13.9	11.9	9.9	8.0	7.0	7.0
85°	8.0	7.0	6.0	5.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6
2.5°	2948.7	2947.7	2946.7	2945.7	2943.7	2943.7	2940.7	2938.7	2938.7	2936.7	2935.8
5°	2922.8	2919.9	2918.9	2916.9	2914.9	2913.9	2909.9	2908.9	2906.9	2904.9	2904.9
7.5°	2886.1	2882.1	2878.1	2876.1	2875.1	2872.1	2870.2	2869.2	2866.2	2864.2	2860.2
10°	2837.4	2834.4	2829.4	2827.4	2825.4	2823.4	2818.5	2815.5	2814.5	2812.5	2810.5
12.5°	2780.7	2776.7	2771.8	2767.8	2765.8	2762.8	2757.9	2754.9	2754.9	2750.9	2750.9
15°	2720.1	2714.1	2705.2	2701.2	2700.2	2694.3	2690.3	2686.3	2681.3	2679.3	2679.3
17.5°	2642.6	2632.6	2624.7	2624.7	2620.7	2614.7	2608.8	2605.8	2602.8	2598.8	2596.9
20°	2551.1	2544.2	2535.2	2535.2	2526.3	2524.3	2518.3	2517.4	2510.4	2511.4	2508.4
22.5°	2440.8	2436.9	2431.9	2427.9	2422.9	2417.0	2414.0	2415.0	2412.0	2411.0	2410.0
25°	2329.5	2318.6	2312.6	2310.6	2308.6	2303.7	2301.7	2300.7	2300.7	2297.7	2298.7
27.5°	2201.3	2193.4	2185.4	2188.4	2184.4	2181.4	2179.5	2176.5	2178.5	2177.5	2178.5
30°	2070.1	2060.2	2055.2	2057.2	2056.2	2048.3	2052.2	2051.2	2052.2	2052.2	2054.2
32.5°	1932.0	1925.0	1924.0	1925.0	1916.1	1917.1	1913.1	1919.1	1920.1	1926.0	1921.1
35°	1791.9	1787.9	1780.9	1779.9	1780.9	1779.9	1779.9	1783.9	1782.9	1788.9	1786.9
37.5°	1647.8	1645.8	1638.8	1640.8	1636.8	1643.8	1645.8	1643.8	1650.7	1648.8	1647.8
40°	1506.6	1503.7	1499.7	1507.6	1502.7	1498.7	1505.6	1499.7	1501.7	1507.6	1507.6
42.5°	1363.5	1358.6	1358.6	1358.6	1357.6	1357.6	1360.5	1363.5	1361.5	1362.5	1370.5
45°	1219.4	1218.4	1215.4	1217.4	1216.4	1221.4	1221.4	1223.4	1227.4	1231.3	1229.4
47.5°	1080.3	1078.3	1081.3	1079.3	1080.3	1077.3	1079.3	1085.3	1090.2	1083.3	1090.2
50°	950.1	946.1	945.1	948.1	947.1	946.1	948.1	948.1	946.1	946.1	953.1
52.5°	825.9	821.9	818.9	823.9	820.9	821.9	817.9	817.9	819.9	817.9	814.9
55°	709.6	706.6	702.6	704.6	699.7	698.7	694.7	694.7	691.7	689.7	683.7
57.5°	598.3	596.3	587.3	586.4	587.3	580.4	573.4	570.5	562.5	560.5	559.5
60°	499.9	489.0	484.0	478.0	474.1	471.1	463.1	458.2	446.2	439.3	438.3
62.5°	397.5	392.6	386.6	377.7	375.7	365.7	357.8	344.9	338.9	329.9	321.0
65°	315.0	302.1	293.2	288.2	280.3	271.3	262.4	248.5	241.5	230.6	221.6
67.5°	230.6	219.6	207.7	203.7	196.8	185.8	176.9	165.0	159.0	149.1	146.1
70°	158.0	148.1	139.1	133.2	128.2	117.3	108.3	104.4	98.4	96.4	96.4
72.5°	101.4	92.4	82.5	79.5	75.5	69.6	63.6	61.6	63.6	62.6	62.6
75°	56.6	51.7	44.7	41.7	41.7	39.8	38.8	38.8	38.8	38.8	38.8
77.5°	28.8	25.8	23.9	22.9	22.9	22.9	23.9	23.9	23.9	24.8	23.9
80°	13.9	12.9	12.9	12.9	13.9	13.9	13.9	13.9	13.9	14.9	13.9
82.5°	7.0	7.0	7.0	7.0	7.0	7.0	8.0	8.0	8.0	8.0	8.0
85°	3.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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: P563975

CATALOG NUMBER: LX6C60D010 EX6C609030 6LBLWWH

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6
2.5°	2934.8	2932.8	2932.8	2931.8	2931.8	2931.8	2931.8	2932.8
5°	2903.0	2902.0	2902.0	2900.0	2900.0	2900.0	2900.0	2900.0
7.5°	2860.2	2858.2	2859.2	2857.2	2857.2	2858.2	2857.2	2856.2
10°	2807.5	2806.6	2807.5	2807.5	2805.6	2804.6	2805.6	2806.6
12.5°	2747.9	2746.9	2744.9	2745.9	2745.9	2744.9	2743.9	2742.0
15°	2678.4	2677.4	2676.4	2675.4	2674.4	2675.4	2674.4	2672.4
17.5°	2596.9	2596.9	2595.9	2594.9	2593.9	2591.9	2592.9	2595.9
20°	2509.4	2508.4	2506.4	2507.4	2503.4	2501.5	2502.4	2505.4
22.5°	2409.0	2406.0	2408.0	2405.1	2405.1	2406.0	2405.1	2403.1
25°	2299.7	2295.7	2297.7	2298.7	2298.7	2297.7	2296.7	2297.7
27.5°	2178.5	2181.4	2181.4	2179.5	2182.4	2178.5	2180.4	2181.4
30°	2054.2	2051.2	2050.3	2054.2	2060.2	2055.2	2055.2	2056.2
32.5°	1926.0	1922.1	1922.1	1924.0	1923.0	1923.0	1927.0	1922.1
35°	1788.9	1790.9	1782.9	1787.9	1789.9	1787.9	1788.9	1788.9
37.5°	1650.7	1648.8	1648.8	1648.8	1651.7	1651.7	1653.7	1652.7
40°	1514.6	1510.6	1509.6	1511.6	1507.6	1510.6	1510.6	1507.6
42.5°	1367.5	1368.5	1373.5	1368.5	1369.5	1368.5	1366.5	1365.5
45°	1231.3	1234.3	1232.3	1231.3	1232.3	1228.4	1229.4	1232.3
47.5°	1087.2	1093.2	1087.2	1091.2	1090.2	1088.2	1086.2	1082.3
50°	952.1	954.1	953.1	952.1	951.1	950.1	945.1	942.1
52.5°	813.9	813.9	813.9	813.9	804.0	809.0	807.0	801.0
55°	678.8	681.8	677.8	677.8	670.8	670.8	668.8	669.8
57.5°	548.6	545.6	542.6	542.6	535.7	532.7	529.7	525.7
60°	427.3	424.4	420.4	415.4	408.5	408.5	406.5	398.5
62.5°	313.1	308.1	305.1	301.1	295.2	291.2	288.2	290.2
65°	214.7	209.7	205.7	205.7	205.7	203.7	202.7	202.7
67.5°	141.1	144.1	142.1	144.1	144.1	142.1	141.1	143.1
70°	97.4	97.4	96.4	96.4	96.4	96.4	95.4	96.4
72.5°	62.6	62.6	62.6	63.6	62.6	62.6	63.6	63.6
75°	39.8	39.8	39.8	40.7	39.8	39.8	40.7	39.8
77.5°	23.9	24.8	24.8	24.8	24.8	23.9	24.8	24.8
80°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
82.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
85°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°    - - 45°-225°    - - - - 90°-270°















(END OF REPORT)