

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: P684457

Luminaire Tested: **LX6C60D010 EX6C609035 6LBLWWH**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P684457  
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 EX6C609035 6LBLWWH  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LRLWW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

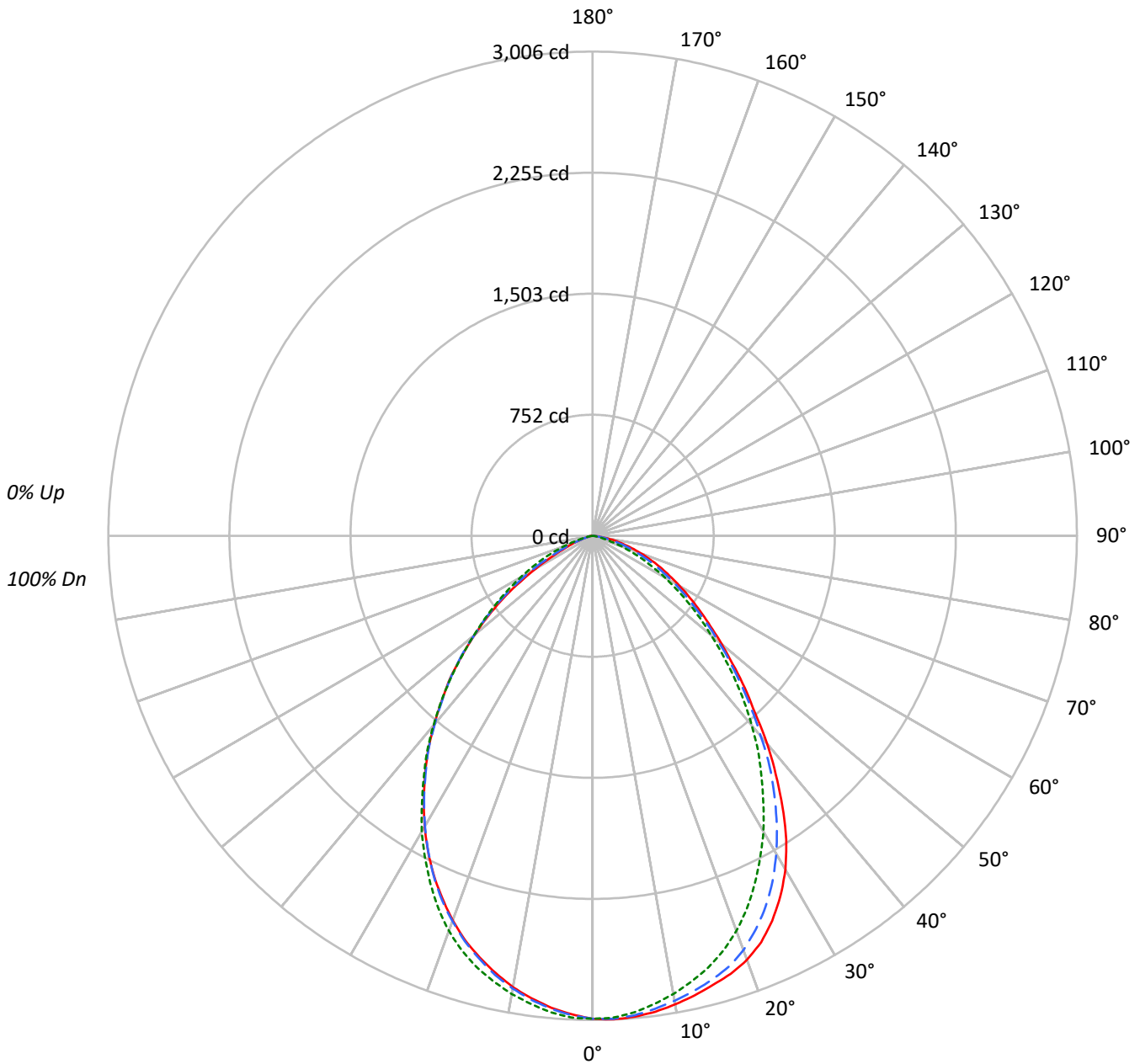
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5454.0 lumens  
Efficiency: N/A  
Efficacy: 75.7 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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CATALOG NUMBER: LX6C60D010 EX6C609035 6LBLWWH

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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																			
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78																			
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68																			
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60																			
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54																			
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48																			
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43																			
8	67	55	47	42	65	54	47	42	53	46	42	52	46	41	51	45	41	39																			
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33																			

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

	0°	90°	180°
0°	164373	164373	164373
5°	164946	163449	161842
10°	164443	160791	158436
15°	163820	157475	153815
20°	163458	152287	148226
25°	159481	144117	140948
30°	151523	134236	132001
35°	137527	122222	121412
40°	120669	109992	109412
45°	103453	96111	96894
50°	89055	81916	81490
55°	77837	69159	64925
60°	68405	56684	44317
65°	59877	43922	26670
70°	51050	29556	15676
75°	41197	15377	8536
80°	28634	6030	4767
85°	11385	1887	2516



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	281.0	5.2
10°-20°	784.5	14.4
20°-30°	1116.4	20.5
30°-40°	1175.1	21.5
40°-50°	979.3	18.0
50°-60°	661.6	12.1
60°-70°	335.4	6.2
70°-80°	108.3	2.0
80°-90°	12.4	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°	2181.9	40.0
0°-40°	3357.0	61.6
0°-60°	4997.8	91.6
0°-90°	5454.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5454.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2998	2998	2998	2998	2998	
5°	2997	2988	2970	2948	2941	285
15°	2886	2855	2775	2719	2710	816
25°	2637	2541	2383	2333	2330	1208
35°	2055	1966	1826	1808	1814	1279
45°	1334	1300	1240	1245	1250	1033
55°	814	775	724	702	679	733
65°	462	416	339	245	206	459
75°	194	152	73	39	40	210
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°	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4
2.5°	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3004.5	3004.5	3002.4	3002.4	3001.4
5°	2997.4	2998.4	2998.4	2997.4	2997.4	2995.4	2995.4	2994.4	2991.3	2989.3	2988.3
7.5°	2980.3	2980.3	2979.3	2978.2	2977.2	2974.2	2973.2	2970.2	2968.2	2966.2	2962.1
10°	2954.1	2954.1	2953.0	2951.0	2950.0	2948.0	2948.0	2944.0	2939.9	2934.9	2931.9
12.5°	2922.8	2923.8	2921.8	2920.8	2917.8	2916.8	2914.8	2909.7	2906.7	2900.6	2895.6
15°	2886.5	2888.5	2888.5	2884.5	2881.5	2880.5	2877.5	2874.4	2867.4	2861.3	2855.3
17.5°	2851.3	2853.3	2851.3	2848.2	2845.2	2841.2	2839.2	2833.1	2824.0	2816.0	2806.9
20°	2801.9	2804.9	2800.9	2795.8	2789.8	2788.8	2785.7	2775.7	2762.6	2750.5	2737.4
22.5°	2732.3	2730.3	2727.3	2725.3	2715.2	2709.1	2705.1	2692.0	2677.9	2661.8	2645.7
25°	2636.6	2640.6	2634.6	2625.5	2620.5	2614.4	2604.3	2590.2	2577.1	2560.0	2540.8
27.5°	2523.7	2523.7	2515.6	2512.6	2501.5	2493.5	2488.4	2474.3	2457.2	2440.0	2418.9
30°	2393.7	2387.6	2387.6	2373.5	2364.5	2361.4	2356.4	2333.2	2318.1	2300.0	2278.8
32.5°	2236.5	2235.4	2231.4	2222.3	2210.3	2200.2	2200.2	2184.0	2163.9	2141.7	2128.6
35°	2055.0	2056.0	2054.0	2044.0	2044.0	2031.9	2029.8	2015.7	1999.6	1982.5	1966.3
37.5°	1867.6	1871.6	1867.6	1862.5	1859.5	1858.5	1849.4	1839.4	1827.3	1817.2	1805.1
40°	1686.2	1680.1	1682.1	1672.1	1673.1	1671.0	1667.0	1653.9	1646.9	1636.8	1623.7
42.5°	1490.6	1496.7	1498.7	1492.7	1490.6	1486.6	1490.6	1485.6	1477.5	1472.5	1460.4
45°	1334.4	1328.4	1331.4	1329.4	1330.4	1322.3	1319.3	1317.3	1314.3	1305.2	1300.1
47.5°	1179.2	1180.2	1179.2	1175.2	1173.2	1173.2	1169.1	1163.1	1163.1	1157.0	1153.0
50°	1044.2	1044.2	1046.2	1041.1	1039.1	1035.1	1036.1	1030.0	1026.0	1021.0	1017.9
52.5°	920.2	921.2	917.2	918.2	916.2	916.2	912.1	908.1	904.1	895.0	893.0
55°	814.4	815.4	810.3	812.3	806.3	803.3	801.3	795.2	795.2	786.1	775.0
57.5°	715.6	714.6	713.6	710.5	706.5	703.5	700.5	693.4	690.4	684.3	675.3
60°	623.9	622.9	620.8	619.8	616.8	609.8	609.8	604.7	594.6	588.6	579.5
62.5°	537.2	537.2	536.2	533.2	530.1	527.1	525.1	521.1	511.0	503.9	495.9
65°	461.6	460.6	457.6	452.5	450.5	450.5	443.5	440.4	432.4	425.3	416.2
67.5°	389.0	385.0	383.0	384.0	378.0	378.0	371.9	366.9	359.8	347.7	340.7
70°	318.5	316.5	314.5	312.4	311.4	307.4	304.4	298.3	291.3	282.2	271.1
72.5°	255.0	255.0	252.0	250.0	246.9	242.9	240.9	235.8	227.8	217.7	209.6
75°	194.5	194.5	194.5	190.5	188.5	186.5	180.4	177.4	168.3	162.3	152.2
77.5°	143.1	141.1	138.1	137.1	135.1	133.0	130.0	125.0	116.9	109.9	103.8
80°	90.7	93.7	90.7	90.7	85.7	83.7	82.6	76.6	73.6	67.5	62.5
82.5°	50.4	51.4	49.4	48.4	45.4	44.3	44.3	40.3	38.3	34.3	31.2
85°	18.1	19.1	18.1	18.1	16.1	17.1	16.1	15.1	13.1	11.1	10.1
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°	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4
2.5°	3001.4	2999.4	2999.4	2998.4	2997.4	2997.4	2997.4	2996.4	2994.4	2994.4	2993.4
5°	2986.3	2984.3	2981.3	2979.3	2978.2	2977.2	2976.2	2975.2	2971.2	2970.2	2967.2
7.5°	2959.1	2957.1	2952.0	2950.0	2947.0	2946.0	2942.0	2939.9	2935.9	2931.9	2929.9
10°	2926.8	2921.8	2917.8	2912.7	2910.7	2907.7	2902.7	2896.6	2893.6	2888.5	2884.5
12.5°	2890.6	2884.5	2876.5	2870.4	2868.4	2863.3	2855.3	2850.2	2843.2	2835.1	2828.1
15°	2845.2	2838.2	2831.1	2820.0	2817.0	2810.9	2802.9	2792.8	2782.7	2774.7	2766.6
17.5°	2795.8	2784.7	2773.6	2761.6	2752.5	2749.5	2736.4	2722.2	2713.2	2699.1	2690.0
20°	2726.3	2711.2	2693.0	2680.9	2672.9	2663.8	2648.7	2633.6	2622.5	2610.4	2597.3
22.5°	2630.5	2616.4	2595.3	2577.1	2571.1	2558.0	2544.9	2530.8	2516.6	2503.5	2487.4
25°	2517.7	2502.5	2481.4	2463.2	2453.1	2447.1	2421.9	2407.8	2393.7	2382.6	2371.5
27.5°	2401.7	2374.5	2360.4	2332.2	2323.1	2321.1	2297.9	2282.8	2267.7	2252.6	2238.5
30°	2258.6	2237.5	2216.3	2196.1	2184.0	2177.0	2159.9	2140.7	2130.6	2120.6	2106.4
32.5°	2110.5	2091.3	2065.1	2046.0	2036.9	2026.8	2011.7	1998.6	1983.5	1972.4	1969.4
35°	1952.2	1931.1	1908.9	1894.8	1892.8	1880.7	1865.6	1854.5	1843.4	1826.3	1823.2
37.5°	1782.9	1770.8	1755.7	1735.5	1726.5	1726.5	1711.4	1703.3	1689.2	1688.2	1680.1
40°	1616.6	1611.6	1588.4	1582.4	1580.3	1566.2	1562.2	1548.1	1538.0	1537.0	1524.9
42.5°	1452.3	1439.2	1435.2	1425.1	1416.1	1414.0	1405.0	1398.9	1394.9	1388.8	1382.8
45°	1289.1	1286.0	1276.0	1268.9	1265.9	1261.8	1258.8	1246.7	1244.7	1239.7	1236.7
47.5°	1148.0	1139.9	1130.8	1122.8	1121.8	1115.7	1108.7	1108.7	1097.6	1096.6	1094.5
50°	1007.9	1001.8	996.8	985.7	987.7	979.6	978.6	969.6	964.5	960.5	965.5
52.5°	884.9	872.8	870.8	861.7	858.7	859.7	848.6	845.6	843.6	839.6	837.5
55°	768.0	761.9	753.9	747.8	742.8	737.8	733.7	733.7	722.6	723.6	718.6
57.5°	665.2	660.2	650.1	641.0	639.0	632.9	627.9	622.9	621.9	614.8	609.8
60°	573.5	564.4	551.3	547.3	541.2	536.2	531.1	525.1	522.1	517.0	508.0
62.5°	487.8	472.7	467.7	459.6	452.5	449.5	441.4	434.4	429.4	422.3	415.2
65°	406.2	395.1	386.0	376.9	375.9	367.9	360.8	354.8	344.7	338.6	325.5
67.5°	331.6	321.5	311.4	302.4	295.3	293.3	282.2	275.1	268.1	256.0	244.9
70°	263.1	253.0	244.9	233.8	230.8	222.7	214.7	207.6	195.5	184.4	175.4
72.5°	200.6	189.5	180.4	172.3	167.3	160.3	152.2	144.1	132.0	120.9	112.9
75°	143.1	135.1	126.0	117.9	113.9	109.9	100.8	91.7	83.7	72.6	65.5
77.5°	96.8	88.7	80.6	73.6	68.5	65.5	59.5	52.4	45.4	39.3	34.3
80°	56.4	51.4	45.4	39.3	38.3	35.3	30.2	26.2	22.2	19.1	15.1
82.5°	27.2	24.2	20.2	17.1	15.1	14.1	12.1	10.1	8.1	7.1	7.1
85°	8.1	7.1	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°	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4
2.5°	2990.3	2989.3	2988.3	2987.3	2985.3	2985.3	2982.3	2980.3	2980.3	2978.2	2977.2
5°	2964.1	2961.1	2960.1	2958.1	2956.1	2955.1	2951.0	2950.0	2948.0	2946.0	2946.0
7.5°	2926.8	2922.8	2918.8	2916.8	2915.8	2912.7	2910.7	2909.7	2906.7	2904.7	2900.6
10°	2877.5	2874.4	2869.4	2867.4	2865.4	2863.3	2858.3	2855.3	2854.3	2852.3	2850.2
12.5°	2820.0	2816.0	2810.9	2806.9	2804.9	2801.9	2796.8	2793.8	2793.8	2789.8	2789.8
15°	2758.5	2752.5	2743.4	2739.4	2738.4	2732.3	2728.3	2724.3	2719.2	2717.2	2717.2
17.5°	2679.9	2669.8	2661.8	2661.8	2657.7	2651.7	2645.7	2642.6	2639.6	2635.6	2633.6
20°	2587.2	2580.1	2571.1	2571.1	2562.0	2560.0	2553.9	2552.9	2545.9	2546.9	2543.9
22.5°	2475.3	2471.3	2466.3	2462.2	2457.2	2451.1	2448.1	2449.1	2446.1	2445.1	2444.1
25°	2362.4	2351.4	2345.3	2343.3	2341.3	2336.2	2334.2	2333.2	2333.2	2330.2	2331.2
27.5°	2232.4	2224.4	2216.3	2219.3	2215.3	2212.3	2210.3	2207.2	2209.2	2208.2	2209.2
30°	2099.4	2089.3	2084.3	2086.3	2085.3	2077.2	2081.2	2080.2	2081.2	2081.2	2083.3
32.5°	1959.3	1952.2	1951.2	1952.2	1943.2	1944.2	1940.1	1946.2	1947.2	1953.2	1948.2
35°	1817.2	1813.2	1806.1	1805.1	1806.1	1805.1	1805.1	1809.1	1808.1	1814.2	1812.1
37.5°	1671.0	1669.0	1662.0	1664.0	1660.0	1667.0	1669.0	1667.0	1674.1	1672.1	1671.0
40°	1527.9	1524.9	1520.9	1528.9	1523.9	1519.9	1526.9	1520.9	1522.9	1528.9	1528.9
42.5°	1382.8	1377.8	1377.8	1377.8	1376.7	1376.7	1379.8	1382.8	1380.8	1381.8	1389.8
45°	1236.7	1235.6	1232.6	1234.6	1233.6	1238.7	1238.7	1240.7	1244.7	1248.7	1246.7
47.5°	1095.6	1093.5	1096.6	1094.5	1095.6	1092.5	1094.5	1100.6	1105.6	1098.6	1105.6
50°	963.5	959.5	958.5	961.5	960.5	959.5	961.5	961.5	959.5	959.5	966.5
52.5°	837.5	833.5	830.5	835.5	832.5	833.5	829.5	829.5	831.5	829.5	826.5
55°	719.6	716.6	712.6	714.6	709.5	708.5	704.5	704.5	701.5	699.5	693.4
57.5°	606.7	604.7	595.6	594.6	595.6	588.6	581.5	578.5	570.5	568.4	567.4
60°	507.0	495.9	490.8	484.8	480.8	477.7	469.7	464.6	452.5	445.5	444.5
62.5°	403.1	398.1	392.1	383.0	381.0	370.9	362.8	349.7	343.7	334.6	325.5
65°	319.5	306.4	297.3	292.3	284.2	275.1	266.1	252.0	244.9	233.8	224.8
67.5°	233.8	222.7	210.6	206.6	199.6	188.5	179.4	167.3	161.3	151.2	148.2
70°	160.3	150.2	141.1	135.1	130.0	118.9	109.9	105.8	99.8	97.8	97.8
72.5°	102.8	93.7	83.7	80.6	76.6	70.6	64.5	62.5	64.5	63.5	63.5
75°	57.4	52.4	45.4	42.3	42.3	40.3	39.3	39.3	39.3	39.3	39.3
77.5°	29.2	26.2	24.2	23.2	23.2	23.2	24.2	24.2	24.2	25.2	24.2
80°	14.1	13.1	13.1	13.1	14.1	14.1	14.1	14.1	14.1	15.1	14.1
82.5°	7.1	7.1	7.1	7.1	7.1	7.1	8.1	8.1	8.1	8.1	8.1
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: P684457

CATALOG NUMBER: LX6C60D010 EX6C609035 6LBLWWH

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4
2.5°	2976.2	2974.2	2974.2	2973.2	2973.2	2973.2	2973.2	2974.2
5°	2944.0	2943.0	2943.0	2941.0	2941.0	2941.0	2941.0	2941.0
7.5°	2900.6	2898.6	2899.6	2897.6	2897.6	2898.6	2897.6	2896.6
10°	2847.2	2846.2	2847.2	2847.2	2845.2	2844.2	2845.2	2846.2
12.5°	2786.8	2785.7	2783.7	2784.7	2784.7	2783.7	2782.7	2780.7
15°	2716.2	2715.2	2714.2	2713.2	2712.2	2713.2	2712.2	2710.2
17.5°	2633.6	2633.6	2632.5	2631.5	2630.5	2628.5	2629.5	2632.5
20°	2544.9	2543.9	2541.8	2542.8	2538.8	2536.8	2537.8	2540.8
22.5°	2443.1	2440.0	2442.1	2439.0	2439.0	2440.0	2439.0	2437.0
25°	2332.2	2328.2	2330.2	2331.2	2331.2	2330.2	2329.2	2330.2
27.5°	2209.2	2212.3	2212.3	2210.3	2213.3	2209.2	2211.3	2212.3
30°	2083.3	2080.2	2079.2	2083.3	2089.3	2084.3	2084.3	2085.3
32.5°	1953.2	1949.2	1949.2	1951.2	1950.2	1950.2	1954.3	1949.2
35°	1814.2	1816.2	1808.1	1813.2	1815.2	1813.2	1814.2	1814.2
37.5°	1674.1	1672.1	1672.1	1672.1	1675.1	1675.1	1677.1	1676.1
40°	1536.0	1532.0	1530.9	1533.0	1528.9	1532.0	1532.0	1528.9
42.5°	1386.8	1387.8	1392.9	1387.8	1388.8	1387.8	1385.8	1384.8
45°	1248.7	1251.8	1249.8	1248.7	1249.8	1245.7	1246.7	1249.8
47.5°	1102.6	1108.7	1102.6	1106.6	1105.6	1103.6	1101.6	1097.6
50°	965.5	967.6	966.5	965.5	964.5	963.5	958.5	955.5
52.5°	825.4	825.4	825.4	825.4	815.4	820.4	818.4	812.3
55°	688.4	691.4	687.4	687.4	680.3	680.3	678.3	679.3
57.5°	556.3	553.3	550.3	550.3	543.2	540.2	537.2	533.2
60°	433.4	430.4	426.3	421.3	414.2	414.2	412.2	404.2
62.5°	317.5	312.4	309.4	305.4	299.3	295.3	292.3	294.3
65°	217.7	212.7	208.6	208.6	208.6	206.6	205.6	205.6
67.5°	143.1	146.1	144.1	146.1	146.1	144.1	143.1	145.1
70°	98.8	98.8	97.8	97.8	97.8	97.8	96.8	97.8
72.5°	63.5	63.5	63.5	64.5	63.5	63.5	64.5	64.5
75°	40.3	40.3	40.3	41.3	40.3	40.3	41.3	40.3
77.5°	24.2	25.2	25.2	25.2	25.2	24.2	25.2	25.2
80°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
82.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
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)