

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: P684464

Luminaire Tested: **LX6C60D010 EX6C609040 6LBLWWH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684464
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 EX6C609040 6LBLWWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LRLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

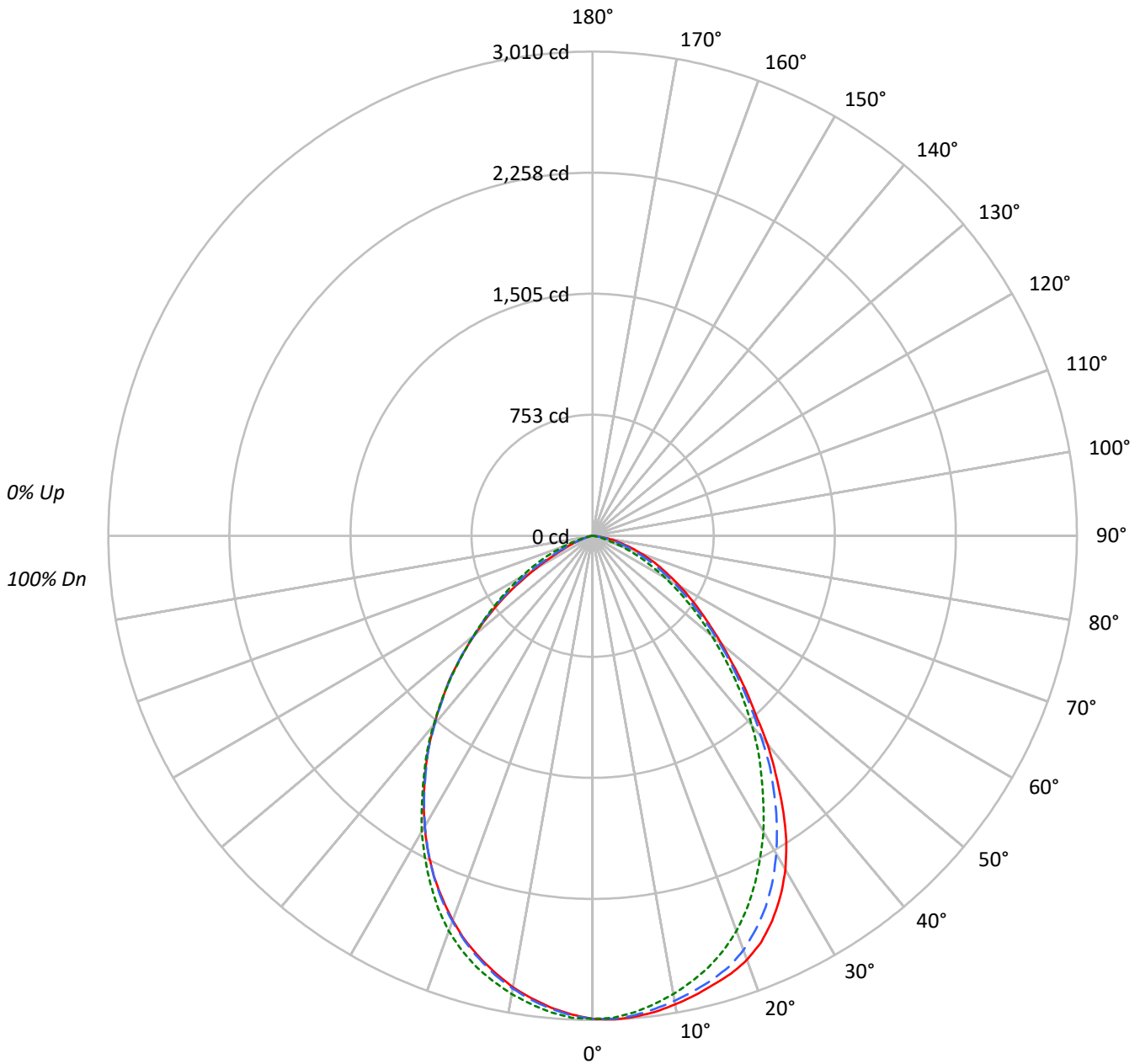
Lumens per Lamp: N/A
Luminaire Lumens: 5462.0 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72
Input Voltage (V):
Input Current (A_{in}): 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	42	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°	164614	164614	164614
5°	165188	163685	162079
10°	164682	161030	158670
15°	164065	157702	154036
20°	163698	152508	148448
25°	159711	144329	141153
30°	151745	134432	132191
35°	137734	122396	121586
40°	120841	110156	109577
45°	103608	96250	97033
50°	89183	82036	81609
55°	77952	69264	65020
60°	68503	56772	44371
65°	59968	43987	26708
70°	51130	29604	15692
75°	41260	15399	8557
80°	28665	6061	4767
85°	11448	1887	2516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.4	5.2
10°-20°	785.7	14.4
20°-30°	1118.1	20.5
30°-40°	1176.8	21.5
40°-50°	980.7	18.0
50°-60°	662.6	12.1
60°-70°	335.9	6.2
70°-80°	108.4	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°	2185.1	40.0
0°-40°	3361.9	61.6
0°-60°	5005.2	91.6
0°-90°	5462.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5462.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3003	3003	3003	3003	3003	
5°	3002	2993	2974	2952	2945	285
15°	2891	2860	2779	2723	2714	817
25°	2640	2545	2386	2337	2334	1210
35°	2058	1969	1829	1811	1817	1281
45°	1336	1302	1242	1246	1252	1034
55°	816	776	725	702	680	734
65°	462	417	339	245	206	460
75°	195	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°	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8
2.5°	3009.9	3009.9	3009.9	3009.9	3009.9	3009.9	3008.9	3008.9	3006.8	3006.8	3005.8
5°	3001.8	3002.8	3002.8	3001.8	3001.8	2999.8	2999.8	2998.8	2995.7	2993.7	2992.7
7.5°	2984.6	2984.6	2983.6	2982.6	2981.6	2978.6	2977.6	2974.5	2972.5	2970.5	2966.5
10°	2958.4	2958.4	2957.4	2955.4	2954.4	2952.3	2952.3	2948.3	2944.3	2939.2	2936.2
12.5°	2927.1	2928.1	2926.1	2925.1	2922.1	2921.0	2919.0	2914.0	2911.0	2904.9	2899.8
15°	2890.8	2892.8	2892.8	2888.7	2885.7	2884.7	2881.7	2878.7	2871.6	2865.5	2859.5
17.5°	2855.4	2857.5	2855.4	2852.4	2849.4	2845.3	2843.3	2837.3	2828.2	2820.1	2811.0
20°	2806.0	2809.0	2805.0	2799.9	2793.9	2792.9	2789.8	2779.7	2766.6	2754.5	2741.4
22.5°	2736.3	2734.3	2731.3	2729.3	2719.2	2713.1	2709.1	2696.0	2681.8	2665.7	2649.5
25°	2640.4	2644.5	2638.4	2629.3	2624.3	2618.2	2608.1	2594.0	2580.9	2563.7	2544.6
27.5°	2527.4	2527.4	2519.3	2516.3	2505.2	2497.1	2492.1	2477.9	2460.8	2443.6	2422.4
30°	2397.2	2391.1	2391.1	2377.0	2367.9	2364.9	2359.8	2336.6	2321.5	2303.3	2282.1
32.5°	2239.7	2238.7	2234.7	2225.6	2213.5	2203.4	2203.4	2187.3	2167.1	2144.9	2131.7
35°	2058.1	2059.1	2057.0	2047.0	2047.0	2034.8	2032.8	2018.7	2002.5	1985.4	1969.2
37.5°	1870.3	1874.4	1870.3	1865.3	1862.2	1861.2	1852.1	1842.1	1829.9	1819.8	1807.7
40°	1688.6	1682.6	1684.6	1674.5	1675.5	1673.5	1669.5	1656.3	1649.3	1639.2	1626.1
42.5°	1492.8	1498.9	1500.9	1494.8	1492.8	1488.8	1492.8	1487.8	1479.7	1474.7	1462.5
45°	1336.4	1330.3	1333.3	1331.3	1332.3	1324.3	1321.2	1319.2	1316.2	1307.1	1302.1
47.5°	1180.9	1181.9	1180.9	1176.9	1174.9	1174.9	1170.8	1164.8	1164.8	1158.7	1154.7
50°	1045.7	1045.7	1047.7	1042.7	1040.6	1036.6	1037.6	1031.6	1027.5	1022.5	1019.4
52.5°	921.5	922.5	918.5	919.5	917.5	917.5	913.5	909.4	905.4	896.3	894.3
55°	815.6	816.6	811.5	813.5	807.5	804.4	802.4	796.4	796.4	787.3	776.2
57.5°	716.6	715.6	714.6	711.6	707.6	704.5	701.5	694.4	691.4	685.3	676.3
60°	624.8	623.8	621.8	620.7	617.7	610.7	610.7	605.6	595.5	589.5	580.4
62.5°	538.0	538.0	537.0	533.9	530.9	527.9	525.9	521.8	511.7	504.7	496.6
65°	462.3	461.3	458.2	453.2	451.2	451.2	444.1	441.1	433.0	425.9	416.9
67.5°	389.6	385.6	383.6	384.6	378.5	378.5	372.4	367.4	360.3	348.2	341.2
70°	319.0	316.9	314.9	312.9	311.9	307.9	304.8	298.8	291.7	282.6	271.5
72.5°	255.4	255.4	252.3	250.3	247.3	243.3	241.2	236.2	228.1	218.0	209.9
75°	194.8	194.8	194.8	190.8	188.7	186.7	180.7	177.6	168.6	162.5	152.4
77.5°	143.3	141.3	138.3	137.3	135.3	133.2	130.2	125.2	117.1	110.0	104.0
80°	90.8	93.9	90.8	90.8	85.8	83.8	82.8	76.7	73.7	67.6	62.6
82.5°	50.5	51.5	49.5	48.4	45.4	44.4	44.4	40.4	38.4	34.3	31.3
85°	18.2	19.2	18.2	18.2	16.1	17.2	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°	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8
2.5°	3005.8	3003.8	3003.8	3002.8	3001.8	3001.8	3001.8	3000.8	2998.8	2998.8	2997.8
5°	2990.7	2988.7	2985.6	2983.6	2982.6	2981.6	2980.6	2979.6	2975.5	2974.5	2971.5
7.5°	2963.4	2961.4	2956.4	2954.4	2951.3	2950.3	2946.3	2944.3	2940.2	2936.2	2934.2
10°	2931.1	2926.1	2922.1	2917.0	2915.0	2912.0	2906.9	2900.9	2897.8	2892.8	2888.7
12.5°	2894.8	2888.7	2880.7	2874.6	2872.6	2867.5	2859.5	2854.4	2847.4	2839.3	2832.2
15°	2849.4	2842.3	2835.3	2824.1	2821.1	2815.1	2807.0	2796.9	2786.8	2778.7	2770.7
17.5°	2799.9	2788.8	2777.7	2765.6	2756.5	2753.5	2740.4	2726.2	2717.2	2703.0	2693.9
20°	2730.3	2715.1	2697.0	2684.9	2676.8	2667.7	2652.6	2637.4	2626.3	2614.2	2601.1
22.5°	2634.4	2620.3	2599.1	2580.9	2574.8	2561.7	2548.6	2534.5	2520.3	2507.2	2491.1
25°	2521.3	2506.2	2485.0	2466.8	2456.7	2450.7	2425.5	2411.3	2397.2	2386.1	2375.0
27.5°	2405.3	2378.0	2363.9	2335.6	2326.5	2324.5	2301.3	2286.2	2271.0	2255.9	2241.8
30°	2261.9	2240.7	2219.6	2199.4	2187.3	2180.2	2163.0	2143.8	2133.8	2123.7	2109.5
32.5°	2113.6	2094.4	2068.1	2049.0	2039.9	2029.8	2014.7	2001.5	1986.4	1975.3	1972.3
35°	1955.1	1933.9	1911.7	1897.6	1895.6	1883.4	1868.3	1857.2	1846.1	1828.9	1825.9
37.5°	1785.5	1773.4	1758.3	1738.1	1729.0	1729.0	1713.9	1705.8	1691.7	1690.7	1682.6
40°	1619.0	1613.9	1590.7	1584.7	1582.7	1568.5	1564.5	1550.4	1540.3	1539.3	1527.1
42.5°	1454.5	1441.3	1437.3	1427.2	1418.1	1416.1	1407.0	1401.0	1396.9	1390.9	1384.8
45°	1291.0	1287.9	1277.8	1270.8	1267.7	1263.7	1260.7	1248.6	1246.5	1241.5	1238.5
47.5°	1149.6	1141.6	1132.5	1124.4	1123.4	1117.3	1110.3	1110.3	1099.2	1098.2	1096.1
50°	1009.3	1003.3	998.2	987.1	989.2	981.1	980.1	971.0	965.9	961.9	967.0
52.5°	886.2	874.1	872.1	863.0	860.0	861.0	849.9	846.8	844.8	840.8	838.8
55°	769.1	763.1	755.0	748.9	743.9	738.8	734.8	734.8	723.7	724.7	719.7
57.5°	666.2	661.1	651.0	641.9	639.9	633.9	628.8	623.8	622.8	615.7	610.7
60°	574.3	565.2	552.1	548.1	542.0	537.0	531.9	525.9	522.8	517.8	508.7
62.5°	488.5	473.4	468.3	460.3	453.2	450.2	442.1	435.0	430.0	422.9	415.9
65°	406.8	395.7	386.6	377.5	376.5	368.4	361.3	355.3	345.2	339.1	326.0
67.5°	332.1	322.0	311.9	302.8	295.7	293.7	282.6	275.6	268.5	256.4	245.3
70°	263.4	253.3	245.3	234.2	231.1	223.1	215.0	207.9	195.8	184.7	175.6
72.5°	200.9	189.8	180.7	172.6	167.6	160.5	152.4	144.3	132.2	121.1	113.0
75°	143.3	135.3	126.2	118.1	114.1	110.0	100.9	91.9	83.8	72.7	65.6
77.5°	96.9	88.8	80.7	73.7	68.6	65.6	59.6	52.5	45.4	39.4	34.3
80°	56.5	51.5	45.4	39.4	38.4	35.3	30.3	26.2	22.2	19.2	15.1
82.5°	27.3	24.2	20.2	17.2	15.1	14.1	12.1	10.1	8.1	7.1	7.1
85°	8.1	7.1	6.1	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°	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8
2.5°	2994.7	2993.7	2992.7	2991.7	2989.7	2989.7	2986.7	2984.6	2984.6	2982.6	2981.6
5°	2968.5	2965.5	2964.4	2962.4	2960.4	2959.4	2955.4	2954.4	2952.3	2950.3	2950.3
7.5°	2931.1	2927.1	2923.1	2921.0	2920.0	2917.0	2915.0	2914.0	2911.0	2908.9	2904.9
10°	2881.7	2878.7	2873.6	2871.6	2869.6	2867.5	2862.5	2859.5	2858.5	2856.4	2854.4
12.5°	2824.1	2820.1	2815.1	2811.0	2809.0	2806.0	2800.9	2797.9	2797.9	2793.9	2793.9
15°	2762.6	2756.5	2747.4	2743.4	2742.4	2736.3	2732.3	2728.3	2723.2	2721.2	2721.2
17.5°	2683.8	2673.8	2665.7	2665.7	2661.6	2655.6	2649.5	2646.5	2643.5	2639.4	2637.4
20°	2591.0	2583.9	2574.8	2574.8	2565.8	2563.7	2557.7	2556.7	2549.6	2550.6	2547.6
22.5°	2479.0	2474.9	2469.9	2465.8	2460.8	2454.7	2451.7	2452.7	2449.7	2448.7	2447.7
25°	2365.9	2354.8	2348.7	2346.7	2344.7	2339.7	2337.6	2336.6	2336.6	2333.6	2334.6
27.5°	2235.7	2227.6	2219.6	2222.6	2218.5	2215.5	2213.5	2210.5	2212.5	2211.5	2212.5
30°	2102.5	2092.4	2087.3	2089.3	2088.3	2080.3	2084.3	2083.3	2084.3	2084.3	2086.3
32.5°	1962.2	1955.1	1954.1	1955.1	1946.0	1947.0	1943.0	1949.0	1950.1	1956.1	1951.1
35°	1819.8	1815.8	1808.7	1807.7	1808.7	1807.7	1807.7	1811.8	1810.8	1816.8	1814.8
37.5°	1673.5	1671.5	1664.4	1666.4	1662.4	1669.5	1671.5	1669.5	1676.5	1674.5	1673.5
40°	1530.2	1527.1	1523.1	1531.2	1526.1	1522.1	1529.2	1523.1	1525.1	1531.2	1531.2
42.5°	1384.8	1379.8	1379.8	1379.8	1378.8	1378.8	1381.8	1384.8	1382.8	1383.8	1391.9
45°	1238.5	1237.5	1234.4	1236.4	1235.4	1240.5	1240.5	1242.5	1246.5	1250.6	1248.6
47.5°	1097.2	1095.1	1098.2	1096.1	1097.2	1094.1	1096.1	1102.2	1107.3	1100.2	1107.3
50°	964.9	960.9	959.9	962.9	961.9	960.9	962.9	962.9	960.9	960.9	968.0
52.5°	838.8	834.7	831.7	836.7	833.7	834.7	830.7	830.7	832.7	830.7	827.7
55°	720.7	717.6	713.6	715.6	710.6	709.6	705.5	705.5	702.5	700.5	694.4
57.5°	607.6	605.6	596.5	595.5	596.5	589.5	582.4	579.4	571.3	569.3	568.3
60°	507.7	496.6	491.6	485.5	481.5	478.4	470.4	465.3	453.2	446.1	445.1
62.5°	403.7	398.7	392.6	383.6	381.5	371.4	363.4	350.2	344.2	335.1	326.0
65°	320.0	306.8	297.8	292.7	284.6	275.6	266.5	252.3	245.3	234.2	225.1
67.5°	234.2	223.1	211.0	206.9	199.9	188.7	179.7	167.6	161.5	151.4	148.4
70°	160.5	150.4	141.3	135.3	130.2	119.1	110.0	106.0	99.9	97.9	97.9
72.5°	103.0	93.9	83.8	80.7	76.7	70.7	64.6	62.6	64.6	63.6	63.6
75°	57.5	52.5	45.4	42.4	42.4	40.4	39.4	39.4	39.4	39.4	39.4
77.5°	29.3	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: P684464

CATALOG NUMBER: LX6C60D010 EX6C609040 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8	3002.8
2.5°	2980.6	2978.6	2978.6	2977.6	2977.6	2977.6	2977.6	2978.6
5°	2948.3	2947.3	2947.3	2945.3	2945.3	2945.3	2945.3	2945.3
7.5°	2904.9	2902.9	2903.9	2901.9	2901.9	2902.9	2901.9	2900.9
10°	2851.4	2850.4	2851.4	2851.4	2849.4	2848.4	2849.4	2850.4
12.5°	2790.8	2789.8	2787.8	2788.8	2788.8	2787.8	2786.8	2784.8
15°	2720.2	2719.2	2718.2	2717.2	2716.1	2717.2	2716.1	2714.1
17.5°	2637.4	2637.4	2636.4	2635.4	2634.4	2632.4	2633.4	2636.4
20°	2548.6	2547.6	2545.6	2546.6	2542.5	2540.5	2541.5	2544.6
22.5°	2446.7	2443.6	2445.6	2442.6	2442.6	2443.6	2442.6	2440.6
25°	2335.6	2331.6	2333.6	2334.6	2334.6	2333.6	2332.6	2333.6
27.5°	2212.5	2215.5	2215.5	2213.5	2216.5	2212.5	2214.5	2215.5
30°	2086.3	2083.3	2082.3	2086.3	2092.4	2087.3	2087.3	2088.3
32.5°	1956.1	1952.1	1952.1	1954.1	1953.1	1953.1	1957.1	1952.1
35°	1816.8	1818.8	1810.8	1815.8	1817.8	1815.8	1816.8	1816.8
37.5°	1676.5	1674.5	1674.5	1674.5	1677.5	1677.5	1679.6	1678.5
40°	1538.2	1534.2	1533.2	1535.2	1531.2	1534.2	1534.2	1531.2
42.5°	1388.9	1389.9	1394.9	1389.9	1390.9	1389.9	1387.8	1386.8
45°	1250.6	1253.6	1251.6	1250.6	1251.6	1247.6	1248.6	1251.6
47.5°	1104.2	1110.3	1104.2	1108.3	1107.3	1105.2	1103.2	1099.2
50°	967.0	969.0	968.0	967.0	965.9	964.9	959.9	956.9
52.5°	826.7	826.7	826.7	826.7	816.6	821.6	819.6	813.5
55°	689.4	692.4	688.4	688.4	681.3	681.3	679.3	680.3
57.5°	557.2	554.1	551.1	551.1	544.0	541.0	538.0	533.9
60°	434.0	431.0	427.0	421.9	414.8	414.8	412.8	404.7
62.5°	317.9	312.9	309.9	305.8	299.8	295.7	292.7	294.7
65°	218.0	213.0	208.9	208.9	208.9	206.9	205.9	205.9
67.5°	143.3	146.4	144.3	146.4	146.4	144.3	143.3	145.3
70°	98.9	98.9	97.9	97.9	97.9	97.9	96.9	97.9
72.5°	63.6	63.6	63.6	64.6	63.6	63.6	64.6	64.6
75°	40.4	40.4	40.4	41.4	40.4	40.4	41.4	40.4
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)