

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P212847

Luminaire Tested: **LE_6B50D010R EC6B30509730 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29203)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B50D010R EC6B30509730 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4765.8 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

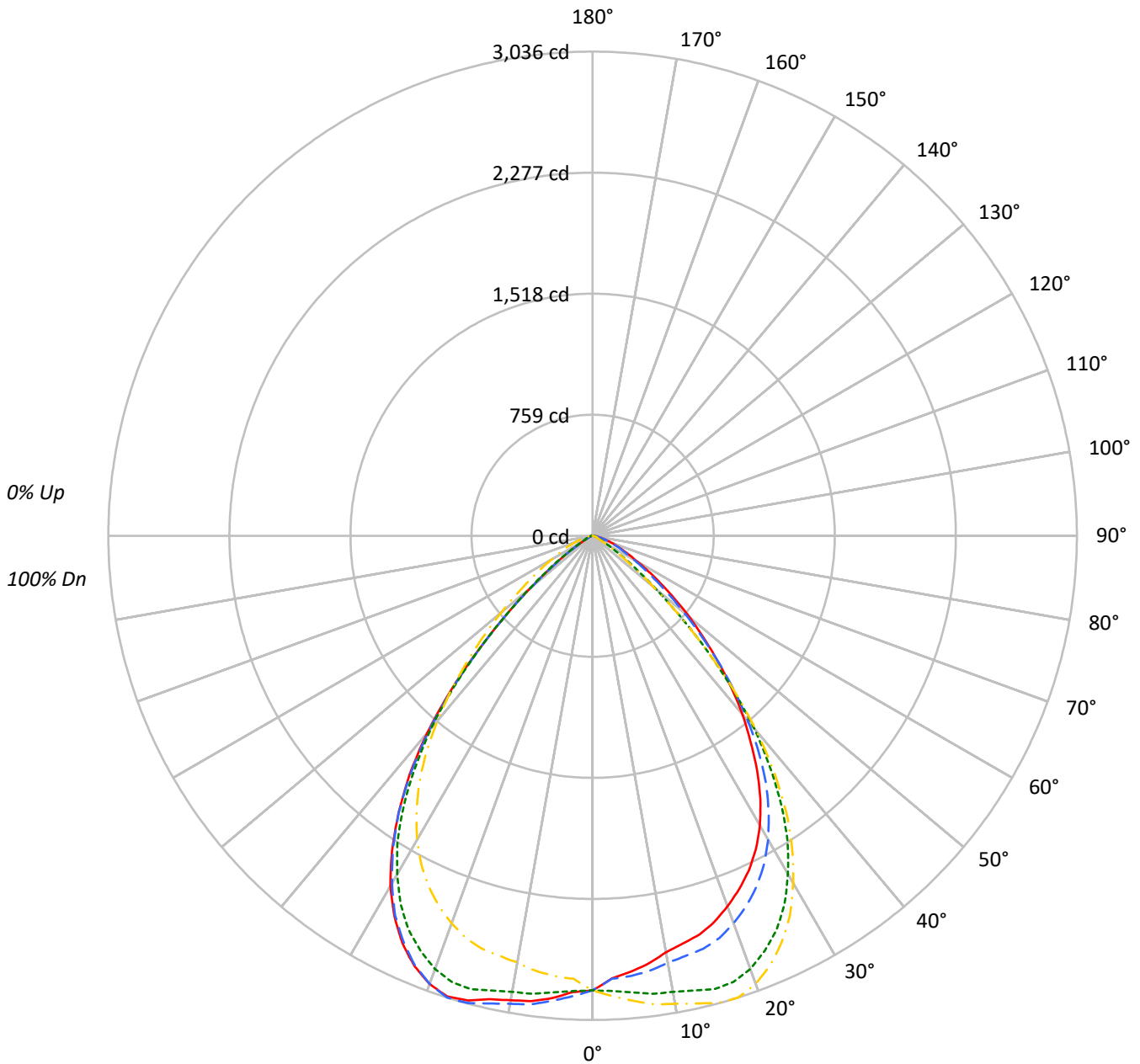
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212847

CATALOG NUMBER: LE_6B50D010R EC6B30509730 6LBSWL11

Luminous Intensity Polar Plot





TEST NUMBER: P212847

CATALOG NUMBER: LE_6B50D010R EC6B30509730 6LBSWLI1

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								
1	112	109	106	103	110	107	104	102	103	100	98	99	97	96	95	94	93	91								
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82								
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73								
4	92	83	76	71	90	82	75	70	79	74	70	77	73	69	75	71	68	66								
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60								
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54								
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49								
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45								
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42								
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	156265	156265	156265	156265
5°	151012	158144	160147	158144
10°	147592	161631	164582	161631
15°	146902	167050	171193	167050
20°	144218	168610	174426	168610
25°	140101	164997	170611	164997
30°	132755	155024	160480	155024
35°	120361	138129	141910	138129
40°	104489	112561	115416	112561
45°	85668	77690	78210	77690
50°	67358	43581	42736	43581
55°	49795	21562	19345	21562
60°	35293	9451	6907	9451
65°	26254	6032	4294	6032
70°	19154	4792	3190	4792
75°	14064	3516	2118	3516
80°	9439	3157	1073	3157
85°	6290	2139	2139	2139



TEST NUMBER: P212847

CATALOG NUMBER: LE_6B50D010R EC6B30509730 6LBSWL11

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.9	5.7
10°-20°	808.2	17.0
20°-30°	1206.1	25.3
30°-40°	1239.1	26.0
40°-50°	802.4	16.8
50°-60°	298.4	6.3
60°-70°	97.9	2.1
70°-80°	34.5	0.7
80°-90°	6.2	0.1
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°	2287.2	48.0
0°-40°	3526.3	74.0
0°-60°	4627.1	97.1
0°-90°	4765.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4765.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2850	2850	2850	2850	2850	
5°	2744	2874	2910	2874	2744	259
15°	2588	2943	3016	2943	2588	728
25°	2316	2728	2821	2728	2316	1061
35°	1798	2064	2120	2064	1798	1117
45°	1105	1002	1009	1002	1105	854
55°	521	226	202	226	521	475
65°	202	46	33	46	202	206
75°	66	17	10	17	66	73
85°	10	3	3	3	10	13
90°	0	0	0	0	0	



TEST NUMBER: P212847

CATALOG NUMBER: LE_6B50D010R EC6B30509730 6LBSWL11

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5
2.5°	2777.5	2817.2	2790.8	2807.4	2780.8	2780.8	2833.9	2804.0	2827.2	2804.0	2780.8
5°	2744.2	2794.1	2760.9	2777.5	2754.2	2757.6	2807.4	2784.1	2807.4	2790.8	2770.9
7.5°	2704.5	2754.2	2724.4	2741.0	2717.8	2724.4	2777.5	2754.2	2780.8	2764.2	2750.9
10°	2651.4	2704.5	2677.9	2694.5	2674.6	2677.9	2731.0	2714.4	2737.6	2727.8	2717.8
12.5°	2618.2	2668.0	2638.1	2654.8	2641.4	2648.0	2697.9	2684.5	2714.4	2704.5	2697.9
15°	2588.4	2634.8	2608.2	2624.9	2614.9	2618.2	2671.2	2658.0	2691.2	2684.5	2681.2
17.5°	2538.5	2588.4	2558.5	2578.4	2568.4	2571.8	2624.9	2614.9	2648.0	2648.0	2644.8
20°	2472.1	2522.0	2498.8	2512.0	2505.4	2512.0	2558.5	2551.9	2585.0	2585.0	2585.0
22.5°	2399.1	2449.0	2422.4	2435.6	2429.0	2439.0	2482.1	2482.1	2508.6	2512.0	2515.4
25°	2316.2	2366.0	2339.5	2356.0	2349.4	2356.0	2395.9	2399.1	2422.4	2422.4	2429.0
27.5°	2216.6	2266.5	2239.9	2253.1	2249.9	2253.1	2296.2	2303.0	2316.2	2319.5	2326.1
30°	2097.2	2143.6	2117.1	2130.4	2130.4	2130.4	2173.5	2176.9	2190.1	2193.5	2200.1
32.5°	1957.9	1997.6	1977.8	1991.0	1987.8	1994.4	2024.2	2037.5	2054.1	2050.8	2054.1
35°	1798.5	1841.8	1821.8	1831.8	1835.0	1845.0	1864.9	1881.5	1884.9	1888.1	1894.8
37.5°	1626.0	1669.1	1649.2	1659.1	1662.5	1682.4	1689.0	1705.6	1712.2	1712.2	1712.2
40°	1460.1	1480.0	1463.4	1473.4	1476.6	1493.2	1499.9	1513.1	1519.9	1516.5	1513.1
42.5°	1280.9	1297.5	1280.9	1290.9	1290.9	1304.1	1307.5	1324.0	1324.0	1317.4	1307.5
45°	1105.0	1121.6	1105.0	1111.6	1111.6	1124.9	1124.9	1124.9	1131.6	1121.6	1105.0
47.5°	939.1	955.8	939.1	945.8	942.4	952.4	949.0	952.4	942.4	935.8	915.9
50°	789.8	796.4	789.8	786.5	789.8	796.4	793.1	793.1	779.9	769.9	746.6
52.5°	643.8	653.8	643.8	643.8	643.8	650.4	650.4	647.1	633.8	620.5	597.2
55°	521.0	527.6	524.2	521.0	521.0	527.6	521.0	521.0	507.8	497.8	474.5
57.5°	414.8	418.1	414.8	414.8	414.8	418.1	418.1	411.5	401.5	391.6	375.0
60°	321.9	325.2	325.2	321.9	321.9	328.5	328.5	325.2	315.2	308.6	292.0
62.5°	255.5	255.5	255.5	255.5	255.5	258.9	258.9	258.9	252.2	245.5	232.2
65°	202.4	205.8	202.4	202.4	205.8	209.0	205.8	209.0	202.4	199.1	189.1
67.5°	156.0	159.2	156.0	159.2	159.2	162.6	159.2	162.6	156.0	152.6	146.0
70°	119.5	119.5	119.5	119.5	119.5	122.8	119.5	122.8	119.5	116.1	109.5
72.5°	89.6	89.6	92.9	92.9	89.6	92.9	89.6	89.6	89.6	86.2	83.0
75°	66.4	66.4	69.6	66.4	66.4	66.4	66.4	66.4	63.0	63.0	59.8
77.5°	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	43.1	43.1	39.9
80°	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	26.5	26.5
82.5°	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	16.6	16.6
85°	10.0	10.0	10.0	13.2	10.0	10.0	10.0	10.0	10.0	10.0	10.0
87.5°	3.4	3.4	3.4	6.6	3.4	3.4	6.6	6.6	3.4	3.4	3.4
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: P212847

CATALOG NUMBER: LE_6B50D010R EC6B30509730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5
2.5°	2807.4	2817.2	2817.2	2807.4	2830.6	2810.6	2850.5	2814.0	2823.9	2857.1	2853.8
5°	2797.4	2810.6	2814.0	2807.4	2837.2	2820.6	2860.4	2823.9	2840.5	2873.8	2873.8
7.5°	2784.1	2800.8	2807.4	2814.0	2840.5	2823.9	2870.4	2833.9	2857.1	2896.9	2893.6
10°	2754.2	2777.5	2790.8	2800.8	2827.2	2817.2	2867.1	2837.2	2857.1	2903.6	2900.2
12.5°	2737.6	2764.2	2784.1	2800.8	2830.6	2823.9	2873.8	2847.1	2873.8	2920.1	2920.1
15°	2724.4	2754.2	2777.5	2807.4	2837.2	2830.6	2883.6	2860.4	2887.0	2943.4	2940.1
17.5°	2691.2	2727.8	2750.9	2784.1	2814.0	2810.6	2867.1	2850.5	2880.4	2933.5	2936.8
20°	2634.8	2668.0	2694.5	2734.4	2767.5	2760.9	2820.6	2804.0	2833.9	2890.2	2893.6
22.5°	2561.8	2595.0	2621.5	2664.6	2694.5	2691.2	2750.9	2734.4	2764.2	2817.2	2820.6
25°	2475.5	2505.4	2531.9	2571.8	2604.9	2604.9	2658.0	2641.4	2674.6	2727.8	2727.8
27.5°	2369.4	2395.9	2419.1	2465.5	2492.1	2492.1	2541.9	2525.2	2558.5	2604.9	2601.6
30°	2239.9	2263.1	2283.0	2322.9	2346.1	2349.4	2392.5	2376.0	2409.1	2449.0	2449.0
32.5°	2083.9	2107.1	2120.5	2170.2	2186.8	2183.5	2216.6	2200.1	2233.2	2276.4	2266.5
35°	1918.0	1928.0	1937.9	1987.8	1994.4	1981.1	2014.2	1997.6	2020.9	2064.0	2057.4
37.5°	1728.9	1732.2	1732.2	1775.4	1778.6	1768.8	1788.6	1768.8	1785.2	1825.1	1821.8
40°	1519.9	1516.5	1513.1	1546.4	1543.0	1523.1	1536.4	1519.9	1543.0	1572.9	1556.4
42.5°	1307.5	1297.5	1284.2	1300.8	1287.5	1270.9	1277.6	1251.0	1267.6	1290.9	1270.9
45°	1098.4	1078.5	1051.9	1055.2	1038.6	1018.8	1008.8	982.2	978.9	1002.1	985.5
47.5°	902.6	862.8	839.5	826.2	799.8	783.1	763.2	733.4	720.1	733.4	716.8
50°	726.8	686.9	657.0	627.1	600.6	580.8	547.5	527.6	507.8	511.0	497.8
52.5°	574.1	547.5	497.8	474.5	448.0	424.8	394.9	371.6	348.4	348.4	335.1
55°	454.6	418.1	384.9	351.8	325.2	305.2	275.4	252.2	229.0	225.6	212.4
57.5°	351.8	325.2	288.8	255.5	238.9	219.0	189.1	162.6	149.4	139.4	129.4
60°	272.1	245.5	215.8	189.1	169.2	156.0	126.1	106.2	92.9	86.2	76.4
62.5°	219.0	195.8	169.2	142.8	129.4	116.1	92.9	76.4	63.0	56.4	49.8
65°	175.9	156.0	136.0	116.1	106.2	92.9	76.4	63.0	53.1	46.5	39.9
67.5°	136.0	122.8	106.2	92.9	83.0	73.0	59.8	49.8	43.1	36.5	33.1
70°	102.9	92.9	83.0	69.6	63.0	56.4	46.5	36.5	33.1	29.9	26.5
72.5°	79.6	69.6	59.8	53.1	46.5	43.1	36.5	29.9	26.5	23.2	19.9
75°	53.1	49.8	43.1	36.5	33.1	29.9	26.5	23.2	19.9	16.6	16.6
77.5°	36.5	33.1	29.9	26.5	23.2	23.2	19.9	16.6	13.2	13.2	10.0
80°	23.2	19.9	19.9	16.6	16.6	16.6	13.2	10.0	10.0	10.0	6.6
82.5°	16.6	13.2	13.2	10.0	10.0	10.0	10.0	6.6	6.6	6.6	3.4
85°	10.0	6.6	6.6	6.6	6.6	6.6	6.6	3.4	3.4	3.4	3.4
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	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: P212847

CATALOG NUMBER: LE_6B50D010R EC6B30509730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5
2.5°	2827.2	2857.1	2857.1	2883.6	2887.0	2880.4	2850.5	2850.5	2890.2	2913.5	2873.8
5°	2853.8	2883.6	2883.6	2910.2	2923.5	2913.5	2883.6	2887.0	2926.8	2953.4	2913.5
7.5°	2877.0	2906.9	2913.5	2943.4	2953.4	2943.4	2913.5	2920.1	2963.2	2986.5	2946.8
10°	2887.0	2916.9	2920.1	2953.4	2966.6	2953.4	2930.1	2933.5	2979.9	2996.5	2960.0
12.5°	2910.2	2940.1	2940.1	2976.6	2989.9	2979.9	2950.0	2956.6	3003.1	3019.8	2983.2
15°	2933.5	2963.2	2963.2	3003.1	3019.8	3006.5	2983.2	2986.5	3033.0	3049.6	3019.8
17.5°	2933.5	2960.0	2960.0	3003.1	3019.8	3009.8	2983.2	2986.5	3036.2	3049.6	3019.8
20°	2890.2	2920.1	2913.5	2956.6	2973.2	2963.2	2940.1	2940.1	2989.9	3003.1	2973.2
22.5°	2820.6	2847.1	2840.5	2880.4	2900.2	2887.0	2867.1	2863.8	2913.5	2926.8	2896.9
25°	2724.4	2750.9	2744.2	2784.1	2804.0	2787.4	2764.2	2767.5	2807.4	2827.2	2800.8
27.5°	2611.5	2628.1	2618.2	2658.0	2677.9	2661.4	2638.1	2641.4	2681.2	2694.5	2674.6
30°	2458.9	2472.1	2462.2	2495.4	2508.6	2498.8	2478.9	2478.9	2515.4	2531.9	2512.0
32.5°	2276.4	2286.4	2276.4	2303.0	2329.5	2309.6	2289.6	2289.6	2329.5	2342.8	2319.5
35°	2064.0	2074.0	2067.4	2093.9	2113.8	2087.2	2070.6	2064.0	2117.1	2110.5	2097.2
37.5°	1828.4	1835.0	1815.1	1861.6	1871.5	1841.8	1828.4	1821.8	1868.2	1864.9	1851.6
40°	1563.0	1569.6	1556.4	1589.5	1592.9	1569.6	1559.6	1549.6	1596.1	1592.9	1582.9
42.5°	1280.9	1284.2	1267.6	1294.1	1300.8	1277.6	1274.2	1261.0	1304.1	1297.5	1294.1
45°	988.9	988.9	975.6	995.5	1002.1	982.2	975.6	972.2	1002.1	1002.1	995.5
47.5°	716.8	706.9	690.2	720.1	723.4	710.1	706.9	696.9	726.8	726.8	720.1
50°	491.1	487.8	484.5	491.1	494.4	477.9	487.8	477.9	494.4	494.4	494.4
52.5°	328.5	325.2	318.6	325.2	325.2	315.2	315.2	311.9	325.2	325.2	318.6
55°	205.8	202.4	199.1	202.4	202.4	192.5	199.1	192.5	199.1	199.1	195.8
57.5°	126.1	119.5	119.5	116.1	116.1	109.5	112.9	112.9	112.9	112.9	112.9
60°	73.0	69.6	66.4	66.4	66.4	63.0	63.0	63.0	63.0	63.0	63.0
62.5°	46.5	46.5	43.1	43.1	43.1	43.1	43.1	39.9	43.1	43.1	43.1
65°	39.9	36.5	36.5	36.5	36.5	33.1	33.1	33.1	33.1	33.1	33.1
67.5°	33.1	29.9	29.9	29.9	29.9	26.5	26.5	26.5	26.5	26.5	26.5
70°	26.5	23.2	23.2	23.2	23.2	23.2	19.9	23.2	23.2	19.9	19.9
72.5°	19.9	19.9	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
75°	13.2	13.2	13.2	13.2	13.2	10.0	10.0	10.0	10.0	10.0	10.0
77.5°	10.0	10.0	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
80°	6.6	6.6	6.6	6.6	6.6	3.4	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	0.0	3.4	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: P212847

CATALOG NUMBER: LE_6B50D010R EC6B30509730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5
2.5°	2920.1	2887.0	2870.4	2903.6	2916.9	2900.2	2887.0	2863.8	2887.0	2900.2	2916.9
5°	2960.0	2930.1	2916.9	2940.1	2960.0	2943.4	2933.5	2910.2	2933.5	2943.4	2960.0
7.5°	2996.5	2966.6	2950.0	2973.2	2996.5	2973.2	2963.2	2943.4	2963.2	2973.2	2996.5
10°	3009.8	2976.6	2963.2	2983.2	3006.5	2983.2	2970.0	2956.6	2970.0	2983.2	3006.5
12.5°	3033.0	2999.8	2983.2	2999.8	3023.0	2999.8	2986.5	2976.6	2986.5	2999.8	3023.0
15°	3066.1	3036.2	3016.4	3033.0	3062.9	3036.2	3019.8	3016.4	3019.8	3036.2	3062.9
17.5°	3066.1	3043.0	3023.0	3036.2	3066.1	3046.2	3023.0	3029.6	3023.0	3046.2	3066.1
20°	3023.0	2999.8	2983.2	2983.2	3026.4	2999.8	2979.9	2989.9	2979.9	2999.8	3026.4
22.5°	2946.8	2926.8	2910.2	2906.9	2950.0	2926.8	2900.2	2920.1	2900.2	2926.8	2950.0
25°	2847.1	2827.2	2814.0	2807.4	2850.5	2823.9	2800.8	2820.6	2800.8	2823.9	2850.5
27.5°	2717.8	2701.1	2687.9	2677.9	2717.8	2694.5	2671.2	2691.2	2671.2	2694.5	2717.8
30°	2551.9	2541.9	2528.6	2515.4	2555.1	2531.9	2508.6	2535.2	2508.6	2531.9	2555.1
32.5°	2359.4	2352.8	2336.1	2322.9	2362.6	2336.1	2319.5	2339.5	2319.5	2336.1	2362.6
35°	2137.0	2127.1	2117.1	2093.9	2137.0	2113.8	2113.8	2120.5	2113.8	2113.8	2137.0
37.5°	1888.1	1881.5	1868.2	1848.4	1884.9	1868.2	1861.6	1881.5	1861.6	1868.2	1884.9
40°	1609.4	1606.1	1596.1	1572.9	1612.8	1596.1	1586.1	1612.8	1586.1	1596.1	1612.8
42.5°	1317.4	1310.8	1300.8	1297.5	1317.4	1304.1	1314.1	1314.1	1314.1	1304.1	1317.4
45°	1015.4	1008.8	1002.1	988.9	1012.1	1005.5	1002.1	1008.8	1002.1	1005.5	1012.1
47.5°	736.6	730.0	723.4	713.5	736.6	726.8	726.8	733.4	726.8	726.8	736.6
50°	494.4	497.8	494.4	487.8	494.4	491.1	494.4	501.1	494.4	491.1	494.4
52.5°	328.5	328.5	321.9	318.6	325.2	321.9	331.9	325.2	331.9	321.9	325.2
55°	199.1	202.4	199.1	195.8	199.1	195.8	205.8	202.4	205.8	195.8	199.1
57.5°	112.9	112.9	116.1	112.9	119.5	116.1	116.1	116.1	116.1	116.1	119.5
60°	63.0	63.0	63.0	63.0	63.0	63.0	66.4	63.0	66.4	63.0	63.0
62.5°	43.1	43.1	43.1	39.9	43.1	39.9	43.1	43.1	43.1	39.9	43.1
65°	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
67.5°	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
70°	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
72.5°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
75°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
77.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
80°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	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: P212847

CATALOG NUMBER: LE_6B50D010R EC6B30509730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5
2.5°	2903.6	2870.4	2887.0	2920.1	2873.8	2913.5	2890.2	2850.5	2850.5	2880.4	2887.0
5°	2940.1	2916.9	2930.1	2960.0	2913.5	2953.4	2926.8	2887.0	2883.6	2913.5	2923.5
7.5°	2973.2	2950.0	2966.6	2996.5	2946.8	2986.5	2963.2	2920.1	2913.5	2943.4	2953.4
10°	2983.2	2963.2	2976.6	3009.8	2960.0	2996.5	2979.9	2933.5	2930.1	2953.4	2966.6
12.5°	2999.8	2983.2	2999.8	3033.0	2983.2	3019.8	3003.1	2956.6	2950.0	2979.9	2989.9
15°	3033.0	3016.4	3036.2	3066.1	3019.8	3049.6	3033.0	2986.5	2983.2	3006.5	3019.8
17.5°	3036.2	3023.0	3043.0	3066.1	3019.8	3049.6	3036.2	2986.5	2983.2	3009.8	3019.8
20°	2983.2	2983.2	2999.8	3023.0	2973.2	3003.1	2989.9	2940.1	2940.1	2963.2	2973.2
22.5°	2906.9	2910.2	2926.8	2946.8	2896.9	2926.8	2913.5	2863.8	2867.1	2887.0	2900.2
25°	2807.4	2814.0	2827.2	2847.1	2800.8	2827.2	2807.4	2767.5	2764.2	2787.4	2804.0
27.5°	2677.9	2687.9	2701.1	2717.8	2674.6	2694.5	2681.2	2641.4	2638.1	2661.4	2677.9
30°	2515.4	2528.6	2541.9	2551.9	2512.0	2531.9	2515.4	2478.9	2478.9	2498.8	2508.6
32.5°	2322.9	2336.1	2352.8	2359.4	2319.5	2342.8	2329.5	2289.6	2289.6	2309.6	2329.5
35°	2093.9	2117.1	2127.1	2137.0	2097.2	2110.5	2117.1	2064.0	2070.6	2087.2	2113.8
37.5°	1848.4	1868.2	1881.5	1888.1	1851.6	1864.9	1868.2	1821.8	1828.4	1841.8	1871.5
40°	1572.9	1596.1	1606.1	1609.4	1582.9	1592.9	1596.1	1549.6	1559.6	1569.6	1592.9
42.5°	1297.5	1300.8	1310.8	1317.4	1294.1	1297.5	1304.1	1261.0	1274.2	1277.6	1300.8
45°	988.9	1002.1	1008.8	1015.4	995.5	1002.1	1002.1	972.2	975.6	982.2	1002.1
47.5°	713.5	723.4	730.0	736.6	720.1	726.8	726.8	696.9	706.9	710.1	723.4
50°	487.8	494.4	497.8	494.4	494.4	494.4	494.4	477.9	487.8	477.9	494.4
52.5°	318.6	321.9	328.5	328.5	318.6	325.2	325.2	311.9	315.2	315.2	325.2
55°	195.8	199.1	202.4	199.1	195.8	199.1	199.1	192.5	199.1	192.5	202.4
57.5°	112.9	116.1	112.9	112.9	112.9	112.9	112.9	112.9	112.9	109.5	116.1
60°	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	66.4
62.5°	39.9	43.1	43.1	43.1	43.1	43.1	43.1	39.9	43.1	43.1	43.1
65°	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	36.5
67.5°	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	29.9
70°	19.9	19.9	19.9	19.9	19.9	19.9	23.2	23.2	19.9	23.2	23.2
72.5°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
75°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.2
77.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
80°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.6
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	3.4	0.0	3.4
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: P212847

CATALOG NUMBER: LE_6B50D010R EC6B30509730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5
2.5°	2883.6	2857.1	2857.1	2827.2	2853.8	2857.1	2823.9	2814.0	2850.5	2810.6	2830.6
5°	2910.2	2883.6	2883.6	2853.8	2873.8	2873.8	2840.5	2823.9	2860.4	2820.6	2837.2
7.5°	2943.4	2913.5	2906.9	2877.0	2893.6	2896.9	2857.1	2833.9	2870.4	2823.9	2840.5
10°	2953.4	2920.1	2916.9	2887.0	2900.2	2903.6	2857.1	2837.2	2867.1	2817.2	2827.2
12.5°	2976.6	2940.1	2940.1	2910.2	2920.1	2920.1	2873.8	2847.1	2873.8	2823.9	2830.6
15°	3003.1	2963.2	2963.2	2933.5	2940.1	2943.4	2887.0	2860.4	2883.6	2830.6	2837.2
17.5°	3003.1	2960.0	2960.0	2933.5	2936.8	2933.5	2880.4	2850.5	2867.1	2810.6	2814.0
20°	2956.6	2913.5	2920.1	2890.2	2893.6	2890.2	2833.9	2804.0	2820.6	2760.9	2767.5
22.5°	2880.4	2840.5	2847.1	2820.6	2820.6	2817.2	2764.2	2734.4	2750.9	2691.2	2694.5
25°	2784.1	2744.2	2750.9	2724.4	2727.8	2727.8	2674.6	2641.4	2658.0	2604.9	2604.9
27.5°	2658.0	2618.2	2628.1	2611.5	2601.6	2604.9	2558.5	2525.2	2541.9	2492.1	2492.1
30°	2495.4	2462.2	2472.1	2458.9	2449.0	2449.0	2409.1	2376.0	2392.5	2349.4	2346.1
32.5°	2303.0	2276.4	2286.4	2276.4	2266.5	2276.4	2233.2	2200.1	2216.6	2183.5	2186.8
35°	2093.9	2067.4	2074.0	2064.0	2057.4	2064.0	2020.9	1997.6	2014.2	1981.1	1994.4
37.5°	1861.6	1815.1	1835.0	1828.4	1821.8	1825.1	1785.2	1768.8	1788.6	1768.8	1778.6
40°	1589.5	1556.4	1569.6	1563.0	1556.4	1572.9	1543.0	1519.9	1536.4	1523.1	1543.0
42.5°	1294.1	1267.6	1284.2	1280.9	1270.9	1290.9	1267.6	1251.0	1277.6	1270.9	1287.5
45°	995.5	975.6	988.9	988.9	985.5	1002.1	978.9	982.2	1008.8	1018.8	1038.6
47.5°	720.1	690.2	706.9	716.8	716.8	733.4	720.1	733.4	763.2	783.1	799.8
50°	491.1	484.5	487.8	491.1	497.8	511.0	507.8	527.6	547.5	580.8	600.6
52.5°	325.2	318.6	325.2	328.5	335.1	348.4	348.4	371.6	394.9	424.8	448.0
55°	202.4	199.1	202.4	205.8	212.4	225.6	229.0	252.2	275.4	305.2	325.2
57.5°	116.1	119.5	119.5	126.1	129.4	139.4	149.4	162.6	189.1	219.0	238.9
60°	66.4	66.4	69.6	73.0	76.4	86.2	92.9	106.2	126.1	156.0	169.2
62.5°	43.1	43.1	46.5	46.5	49.8	56.4	63.0	76.4	92.9	116.1	129.4
65°	36.5	36.5	36.5	39.9	39.9	46.5	53.1	63.0	76.4	92.9	106.2
67.5°	29.9	29.9	29.9	33.1	33.1	36.5	43.1	49.8	59.8	73.0	83.0
70°	23.2	23.2	23.2	26.5	26.5	29.9	33.1	36.5	46.5	56.4	63.0
72.5°	16.6	16.6	19.9	19.9	19.9	23.2	26.5	29.9	36.5	43.1	46.5
75°	13.2	13.2	13.2	13.2	16.6	16.6	19.9	23.2	26.5	29.9	33.1
77.5°	6.6	6.6	10.0	10.0	10.0	13.2	13.2	16.6	19.9	23.2	23.2
80°	6.6	6.6	6.6	6.6	6.6	10.0	10.0	10.0	13.2	16.6	16.6
82.5°	3.4	3.4	3.4	3.4	3.4	6.6	6.6	6.6	10.0	10.0	10.0
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.6	6.6	6.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
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: P212847

CATALOG NUMBER: LE_6B50D010R EC6B30509730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5	2850.5
2.5°	2807.4	2817.2	2817.2	2807.4	2780.8	2804.0	2827.2	2804.0	2833.9	2780.8	2780.8
5°	2807.4	2814.0	2810.6	2797.4	2770.9	2790.8	2807.4	2784.1	2807.4	2757.6	2754.2
7.5°	2814.0	2807.4	2800.8	2784.1	2750.9	2764.2	2780.8	2754.2	2777.5	2724.4	2717.8
10°	2800.8	2790.8	2777.5	2754.2	2717.8	2727.8	2737.6	2714.4	2731.0	2677.9	2674.6
12.5°	2800.8	2784.1	2764.2	2737.6	2697.9	2704.5	2714.4	2684.5	2697.9	2648.0	2641.4
15°	2807.4	2777.5	2754.2	2724.4	2681.2	2684.5	2691.2	2658.0	2671.2	2618.2	2614.9
17.5°	2784.1	2750.9	2727.8	2691.2	2644.8	2648.0	2648.0	2614.9	2624.9	2571.8	2568.4
20°	2734.4	2694.5	2668.0	2634.8	2585.0	2585.0	2585.0	2551.9	2558.5	2512.0	2505.4
22.5°	2664.6	2621.5	2595.0	2561.8	2515.4	2512.0	2508.6	2482.1	2482.1	2439.0	2429.0
25°	2571.8	2531.9	2505.4	2475.5	2429.0	2422.4	2422.4	2399.1	2395.9	2356.0	2349.4
27.5°	2465.5	2419.1	2395.9	2369.4	2326.1	2319.5	2316.2	2303.0	2296.2	2253.1	2249.9
30°	2322.9	2283.0	2263.1	2239.9	2200.1	2193.5	2190.1	2176.9	2173.5	2130.4	2130.4
32.5°	2170.2	2120.5	2107.1	2083.9	2054.1	2050.8	2054.1	2037.5	2024.2	1994.4	1987.8
35°	1987.8	1937.9	1928.0	1918.0	1894.8	1888.1	1884.9	1881.5	1864.9	1845.0	1835.0
37.5°	1775.4	1732.2	1732.2	1728.9	1712.2	1712.2	1712.2	1705.6	1689.0	1682.4	1662.5
40°	1546.4	1513.1	1516.5	1519.9	1513.1	1516.5	1519.9	1513.1	1499.9	1493.2	1476.6
42.5°	1300.8	1284.2	1297.5	1307.5	1307.5	1317.4	1324.0	1324.0	1307.5	1304.1	1290.9
45°	1055.2	1051.9	1078.5	1098.4	1105.0	1121.6	1131.6	1124.9	1124.9	1124.9	1111.6
47.5°	826.2	839.5	862.8	902.6	915.9	935.8	942.4	952.4	949.0	952.4	942.4
50°	627.1	657.0	686.9	726.8	746.6	769.9	779.9	793.1	793.1	796.4	789.8
52.5°	474.5	497.8	547.5	574.1	597.2	620.5	633.8	647.1	650.4	650.4	643.8
55°	351.8	384.9	418.1	454.6	474.5	497.8	507.8	521.0	521.0	527.6	521.0
57.5°	255.5	288.8	325.2	351.8	375.0	391.6	401.5	411.5	418.1	418.1	414.8
60°	189.1	215.8	245.5	272.1	292.0	308.6	315.2	325.2	328.5	328.5	321.9
62.5°	142.8	169.2	195.8	219.0	232.2	245.5	252.2	258.9	258.9	258.9	255.5
65°	116.1	136.0	156.0	175.9	189.1	199.1	202.4	209.0	205.8	209.0	205.8
67.5°	92.9	106.2	122.8	136.0	146.0	152.6	156.0	162.6	159.2	162.6	159.2
70°	69.6	83.0	92.9	102.9	109.5	116.1	119.5	122.8	119.5	122.8	119.5
72.5°	53.1	59.8	69.6	79.6	83.0	86.2	89.6	89.6	89.6	92.9	89.6
75°	36.5	43.1	49.8	53.1	59.8	63.0	63.0	66.4	66.4	66.4	66.4
77.5°	26.5	29.9	33.1	36.5	39.9	43.1	43.1	46.5	46.5	46.5	46.5
80°	16.6	19.9	19.9	23.2	26.5	26.5	29.9	29.9	29.9	29.9	29.9
82.5°	10.0	13.2	13.2	16.6	16.6	16.6	19.9	19.9	19.9	19.9	19.9
85°	6.6	6.6	6.6	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.6	6.6	3.4	3.4
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: P212847

CATALOG NUMBER: LE_6B50D010R EC6B30509730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2850.5	2850.5	2850.5	2850.5
2.5°	2807.4	2790.8	2817.2	2777.5
5°	2777.5	2760.9	2794.1	2744.2
7.5°	2741.0	2724.4	2754.2	2704.5
10°	2694.5	2677.9	2704.5	2651.4
12.5°	2654.8	2638.1	2668.0	2618.2
15°	2624.9	2608.2	2634.8	2588.4
17.5°	2578.4	2558.5	2588.4	2538.5
20°	2512.0	2498.8	2522.0	2472.1
22.5°	2435.6	2422.4	2449.0	2399.1
25°	2356.0	2339.5	2366.0	2316.2
27.5°	2253.1	2239.9	2266.5	2216.6
30°	2130.4	2117.1	2143.6	2097.2
32.5°	1991.0	1977.8	1997.6	1957.9
35°	1831.8	1821.8	1841.8	1798.5
37.5°	1659.1	1649.2	1669.1	1626.0
40°	1473.4	1463.4	1480.0	1460.1
42.5°	1290.9	1280.9	1297.5	1280.9
45°	1111.6	1105.0	1121.6	1105.0
47.5°	945.8	939.1	955.8	939.1
50°	786.5	789.8	796.4	789.8
52.5°	643.8	643.8	653.8	643.8
55°	521.0	524.2	527.6	521.0
57.5°	414.8	414.8	418.1	414.8
60°	321.9	325.2	325.2	321.9
62.5°	255.5	255.5	255.5	255.5
65°	202.4	202.4	205.8	202.4
67.5°	159.2	156.0	159.2	156.0
70°	119.5	119.5	119.5	119.5
72.5°	92.9	92.9	89.6	89.6
75°	66.4	69.6	66.4	66.4
77.5°	46.5	46.5	46.5	46.5
80°	29.9	29.9	29.9	29.9
82.5°	19.9	19.9	19.9	19.9
85°	13.2	10.0	10.0	10.0
87.5°	6.6	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°





















(END OF REPORT)