

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: P252720

Luminaire Tested: **LE\_6B50D010R EC6B30509030 6LBDW1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252720  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-9)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LE\_6B50D010R EC6B30509030 6LBDW1H  
Description: PORTFOLIO 6 INCH DOUBLE WALLWASH RECESSED DOWNLIGHT, WITH HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5327.5 lumens  
Efficiency: N/A  
Efficacy: 90.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.21  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

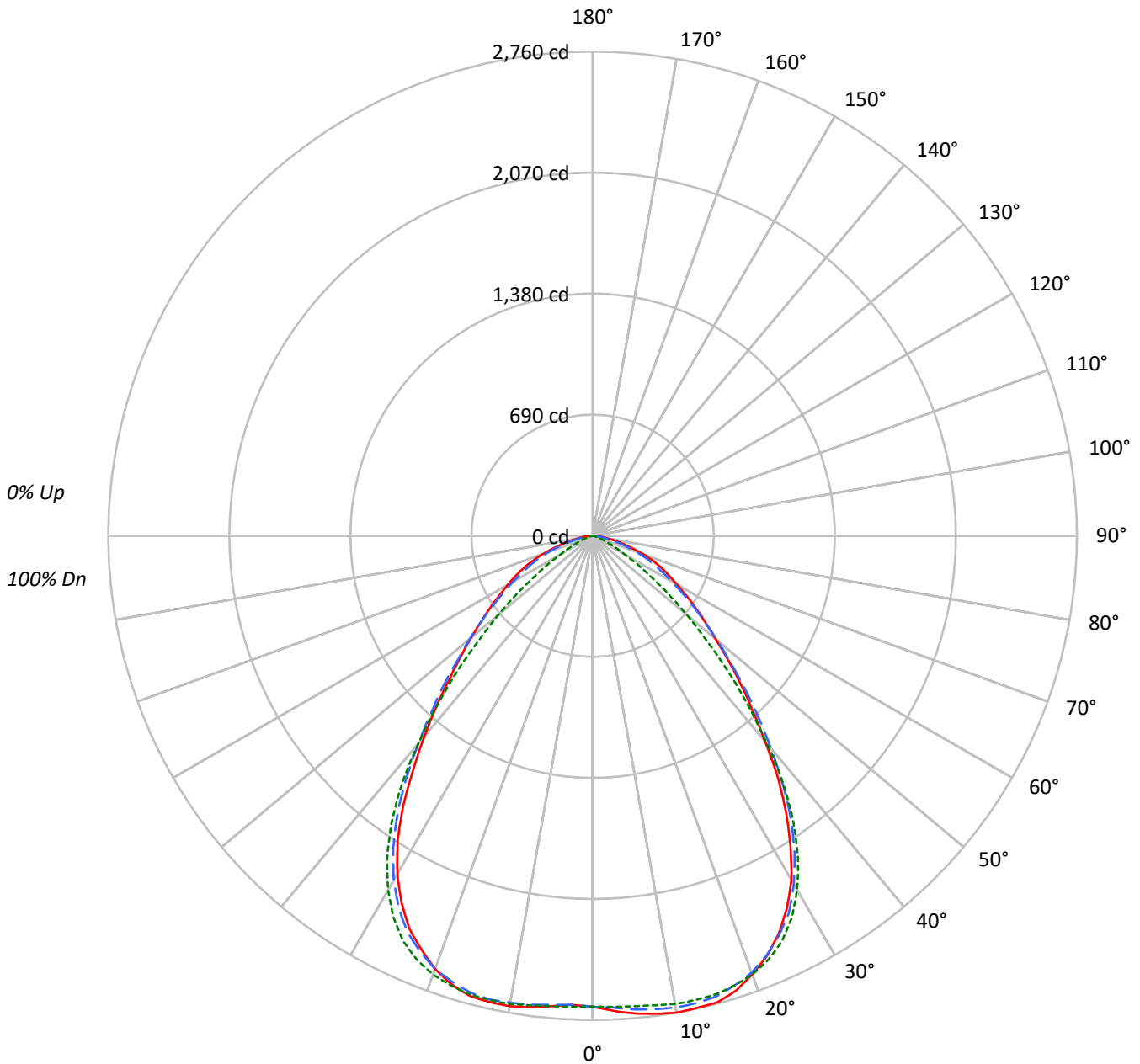
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P252720

CATALOG NUMBER: LE\_6B50D010R EC6B30509030 6LBDW1H

### Luminous Intensity Polar Plot





TEST NUMBER: P252720

CATALOG NUMBER: LE\_6B50D010R EC6B30509030 6LBDW1H

**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	98	96	97	95	93	94	92	91	89			89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78			78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68			68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61			61
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54			54
6	77	65	57	52	75	64	57	51	63	56	51	61	55	51	59	54	50	48			48
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	45	44			44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	45	41	40			40
9	63	51	43	38	62	50	43	38	49	43	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	39	35	33			33

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

	0°	90°	180°
0°	175112	175112	175112
5°	179016	176286	176286
10°	182842	179569	180331
15°	185910	182830	183343
20°	184775	184775	182393
25°	180366	183648	177911
30°	170743	175602	167602
35°	152996	159049	149970
40°	129971	131589	126743
45°	109988	100531	106141
50°	92869	70895	91702
55°	81611	45770	80758
60°	72313	27244	72822
65°	66812	16394	66812
70°	57950	9423	56481
75°	45927	5747	43079
80°	34227	4283	32837
85°	31289	2844	28445



TEST NUMBER: P252720

CATALOG NUMBER: LE\_6B50D010R EC6B30509030 6LBDW1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.4	4.9
10°-20°	764.8	14.4
20°-30°	1150.2	21.6
30°-40°	1209.4	22.7
40°-50°	903.4	17.0
50°-60°	562.4	10.6
60°-70°	319.9	6.0
70°-80°	131.7	2.5
80°-90°	27.2	0.5
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°	2173.5	40.8
0°-40°	3382.8	63.5
0°-60°	4848.7	91.0
0°-90°	5327.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5327.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2684	2684	2684	2684	2684	
5°	2734	2711	2692	2684	2692	262
15°	2752	2718	2707	2696	2714	774
25°	2506	2513	2551	2494	2472	1147
35°	1921	1970	1997	1940	1883	1192
45°	1192	1219	1090	1196	1150	924
55°	718	702	402	691	710	645
65°	433	387	106	387	433	426
75°	182	144	23	140	171	198
85°	42	27	4	23	38	47
90°	0	0	0	0	0	



TEST NUMBER: P252720

CATALOG NUMBER: LE\_6B50D010R EC6B30509030 6LBDW1H

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1
2.5°	2710.6	2706.9	2710.6	2703.1	2699.2	2699.2	2703.1	2695.5	2691.8	2695.5	2691.8
5°	2733.5	2725.9	2729.6	2725.9	2718.2	2718.2	2722.1	2710.6	2710.6	2714.5	2710.6
7.5°	2748.6	2748.6	2748.6	2741.0	2737.2	2733.5	2741.0	2729.6	2725.9	2725.9	2722.1
10°	2760.0	2756.2	2760.0	2752.5	2744.9	2741.0	2748.6	2741.0	2733.5	2741.0	2729.6
12.5°	2756.2	2756.2	2756.2	2752.5	2744.9	2741.0	2748.6	2737.2	2733.5	2737.2	2729.6
15°	2752.5	2741.0	2744.9	2741.0	2729.6	2729.6	2733.5	2722.1	2714.5	2725.9	2718.2
17.5°	2718.2	2710.6	2714.5	2706.9	2699.2	2695.5	2699.2	2695.5	2687.9	2695.5	2687.9
20°	2661.4	2661.4	2665.1	2657.5	2650.0	2646.1	2653.8	2646.1	2638.5	2650.0	2650.0
22.5°	2593.0	2593.0	2593.0	2589.2	2585.4	2585.4	2585.4	2581.6	2577.8	2585.4	2589.2
25°	2505.6	2501.9	2505.6	2509.5	2505.6	2501.9	2505.6	2505.6	2498.1	2513.2	2513.2
27.5°	2395.6	2395.6	2403.1	2399.4	2399.4	2395.6	2403.1	2403.1	2399.4	2410.8	2422.1
30°	2266.5	2258.9	2266.5	2266.5	2270.2	2270.2	2274.1	2274.1	2274.1	2285.5	2293.1
32.5°	2099.5	2103.2	2114.6	2110.9	2107.0	2118.4	2118.4	2126.0	2129.9	2137.4	2141.2
35°	1921.0	1924.9	1924.9	1928.6	1936.2	1928.6	1947.6	1943.8	1947.6	1962.8	1970.4
37.5°	1731.2	1719.8	1738.8	1731.2	1735.0	1735.0	1742.6	1746.4	1757.8	1776.8	1776.8
40°	1526.1	1530.0	1537.6	1541.4	1545.1	1545.1	1545.1	1556.5	1560.4	1583.1	1579.4
42.5°	1347.8	1347.8	1355.4	1359.1	1359.1	1359.1	1359.1	1370.5	1378.1	1385.8	1393.2
45°	1192.1	1180.8	1188.2	1188.2	1195.9	1192.1	1199.6	1207.2	1211.1	1222.5	1218.6
47.5°	1044.0	1040.2	1044.0	1047.9	1044.0	1047.9	1051.6	1055.4	1059.2	1059.2	1059.2
50°	915.0	915.0	918.8	922.5	922.5	922.5	922.5	926.4	926.4	933.9	926.4
52.5°	808.6	812.5	812.5	808.6	812.5	812.5	816.2	816.2	812.5	812.5	801.0
55°	717.5	713.8	717.5	713.8	717.5	717.5	713.8	713.8	710.0	706.1	702.4
57.5°	630.2	630.2	630.2	630.2	626.4	630.2	626.4	622.6	622.6	615.0	603.6
60°	554.2	554.2	554.2	554.2	554.2	550.5	554.2	550.5	542.9	535.2	520.1
62.5°	489.8	486.0	489.8	486.0	486.0	482.1	482.1	478.4	470.8	463.1	448.0
65°	432.8	436.6	432.8	432.8	429.0	425.2	425.2	421.4	410.0	402.4	387.2
67.5°	372.0	368.2	368.2	368.2	364.5	364.5	364.5	356.9	349.2	337.9	322.8
70°	303.8	303.8	303.8	299.9	299.9	296.1	296.1	292.4	284.8	277.1	258.1
72.5°	239.1	239.1	239.1	231.6	235.4	231.6	231.6	224.0	220.2	208.8	197.4
75°	182.2	182.2	178.4	178.4	174.6	170.9	170.9	167.0	163.2	155.6	144.2
77.5°	132.9	132.9	132.9	129.1	125.2	121.5	121.5	117.8	113.9	110.1	102.5
80°	91.1	91.1	91.1	91.1	87.4	83.5	83.5	79.8	79.8	75.9	68.4
82.5°	60.8	60.8	60.8	60.8	57.0	57.0	57.0	53.1	49.4	49.4	41.8
85°	41.8	41.8	38.0	38.0	38.0	38.0	34.1	34.1	30.4	26.6	26.6
87.5°	22.8	22.8	22.8	22.8	19.0	19.0	19.0	19.0	15.1	15.1	11.4
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: P252720

CATALOG NUMBER: LE\_6B50D010R EC6B30509030 6LBDW1H

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1
2.5°	2703.1	2703.1	2699.2	2687.9	2691.8	2687.9	2691.8	2687.9	2676.5	2687.9	2676.5
5°	2718.2	2722.1	2714.5	2699.2	2703.1	2699.2	2699.2	2695.5	2684.1	2691.8	2684.1
7.5°	2733.5	2729.6	2725.9	2710.6	2714.5	2710.6	2710.6	2703.1	2691.8	2699.2	2687.9
10°	2741.0	2741.0	2733.5	2718.2	2718.2	2714.5	2718.2	2714.5	2699.2	2710.6	2703.1
12.5°	2741.0	2737.2	2737.2	2718.2	2722.1	2718.2	2722.1	2714.5	2703.1	2710.6	2706.9
15°	2729.6	2729.6	2725.9	2706.9	2710.6	2710.6	2714.5	2706.9	2695.5	2706.9	2699.2
17.5°	2706.9	2706.9	2703.1	2687.9	2695.5	2695.5	2699.2	2691.8	2680.2	2687.9	2687.9
20°	2661.4	2665.1	2665.1	2653.8	2661.4	2661.4	2665.1	2661.4	2657.5	2661.4	2653.8
22.5°	2608.1	2615.8	2615.8	2604.4	2612.0	2612.0	2623.4	2619.6	2612.0	2615.8	2612.0
25°	2528.5	2536.0	2543.6	2536.0	2543.6	2543.6	2555.0	2551.2	2543.6	2551.2	2539.9
27.5°	2437.4	2441.1	2448.8	2441.1	2452.5	2448.8	2460.1	2456.4	2444.9	2456.4	2452.5
30°	2308.2	2323.5	2334.9	2323.5	2334.9	2334.9	2342.4	2338.6	2334.9	2331.0	2331.0
32.5°	2164.0	2179.1	2179.1	2175.4	2183.0	2183.0	2186.8	2179.1	2175.4	2179.1	2183.0
35°	1985.5	1993.1	2000.8	1997.0	2000.8	2004.5	2000.8	2004.5	1993.1	1997.0	1997.0
37.5°	1791.9	1799.5	1799.5	1788.1	1795.8	1795.8	1788.1	1788.1	1780.5	1788.1	1773.0
40°	1586.9	1579.4	1583.1	1575.5	1568.0	1568.0	1564.1	1549.0	1541.4	1545.1	1549.0
42.5°	1385.8	1385.8	1374.4	1355.4	1336.4	1336.4	1325.0	1317.4	1302.2	1309.8	1306.0
45°	1214.9	1195.9	1180.8	1150.4	1139.0	1131.4	1112.4	1093.4	1085.8	1089.6	1085.8
47.5°	1051.6	1036.5	998.5	956.8	945.4	933.9	911.1	888.4	880.8	873.2	873.2
50°	915.0	888.4	846.6	801.0	782.1	763.1	732.8	710.0	694.8	698.5	698.5
52.5°	789.6	759.2	710.0	653.0	630.2	607.4	580.9	554.2	542.9	539.1	539.1
55°	679.6	645.4	596.0	531.5	512.5	486.0	451.8	421.4	406.2	402.4	410.0
57.5°	580.9	550.5	493.5	429.0	406.2	379.6	345.5	318.9	299.9	296.1	299.9
60°	501.1	459.4	410.0	349.2	318.9	296.1	258.1	235.4	216.4	208.8	212.6
62.5°	421.4	383.5	334.1	273.4	250.6	227.8	193.6	167.0	151.9	148.1	151.9
65°	360.6	322.8	277.1	224.0	201.2	178.4	148.1	121.5	110.1	106.2	110.1
67.5°	299.9	265.8	227.8	178.4	159.5	140.5	110.1	91.1	75.9	72.1	75.9
70°	243.0	212.6	174.6	140.5	121.5	106.2	83.5	64.5	53.1	49.4	53.1
72.5°	182.2	159.5	132.9	102.5	91.1	79.8	60.8	45.5	38.0	34.1	38.0
75°	132.9	113.9	94.9	72.1	64.5	57.0	41.8	30.4	26.6	22.8	26.6
77.5°	91.1	79.8	64.5	49.4	41.8	38.0	26.6	22.8	19.0	15.1	15.1
80°	60.8	53.1	41.8	34.1	30.4	26.6	19.0	15.1	11.4	11.4	11.4
82.5°	38.0	30.4	26.6	19.0	15.1	15.1	11.4	7.6	7.6	7.6	7.6
85°	22.8	19.0	15.1	11.4	7.6	7.6	3.8	3.8	3.8	3.8	3.8
87.5°	11.4	7.6	7.6	3.8	3.8	3.8	3.8	3.8	0.0	0.0	3.8
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: P252720

CATALOG NUMBER: LE\_6B50D010R EC6B30509030 6LBDW1H

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1
2.5°	2684.1	2676.5	2676.5	2680.2	2684.1	2687.9	2680.2	2676.5	2676.5	2687.9	2680.2
5°	2684.1	2680.2	2680.2	2680.2	2687.9	2691.8	2684.1	2680.2	2684.1	2695.5	2691.8
7.5°	2695.5	2687.9	2691.8	2691.8	2695.5	2703.1	2695.5	2691.8	2695.5	2706.9	2699.2
10°	2703.1	2695.5	2699.2	2695.5	2706.9	2710.6	2703.1	2699.2	2703.1	2718.2	2714.5
12.5°	2706.9	2703.1	2703.1	2699.2	2710.6	2714.5	2706.9	2703.1	2706.9	2718.2	2714.5
15°	2699.2	2695.5	2695.5	2695.5	2703.1	2710.6	2699.2	2695.5	2695.5	2706.9	2703.1
17.5°	2684.1	2676.5	2676.5	2676.5	2680.2	2684.1	2672.8	2668.9	2665.1	2676.5	2672.8
20°	2657.5	2650.0	2642.4	2642.4	2646.1	2646.1	2638.5	2627.1	2627.1	2631.0	2623.4
22.5°	2608.1	2604.4	2596.8	2593.0	2600.6	2596.8	2581.6	2570.2	2566.4	2570.2	2562.6
25°	2539.9	2532.2	2528.5	2524.6	2528.5	2524.6	2509.5	2494.2	2494.2	2494.2	2482.9
27.5°	2444.9	2437.4	2433.5	2433.5	2437.4	2429.8	2414.5	2399.4	2391.8	2391.8	2380.4
30°	2323.5	2323.5	2319.6	2315.9	2312.0	2312.0	2289.2	2274.1	2266.5	2270.2	2262.8
32.5°	2175.4	2171.6	2167.8	2156.4	2160.2	2156.4	2137.4	2126.0	2114.6	2107.0	2103.2
35°	1985.5	1985.5	1981.8	1981.8	1981.8	1978.0	1959.0	1947.6	1940.0	1936.2	1924.9
37.5°	1776.8	1773.0	1769.1	1769.1	1769.1	1769.1	1757.8	1746.4	1746.4	1742.6	1735.0
40°	1541.4	1545.1	1549.0	1545.1	1556.5	1568.0	1552.8	1545.1	1541.4	1552.8	1537.6
42.5°	1313.6	1309.8	1328.8	1332.6	1332.6	1351.5	1355.4	1359.1	1355.4	1362.9	1362.9
45°	1093.4	1089.6	1108.6	1116.1	1135.1	1157.9	1169.4	1188.2	1195.9	1203.5	1195.9
47.5°	884.6	899.8	915.0	933.9	949.1	987.1	1009.9	1028.9	1036.5	1047.9	1047.9
50°	710.0	725.1	751.8	766.9	785.9	831.4	869.4	896.0	911.1	922.5	918.8
52.5°	546.8	573.2	607.4	622.6	649.2	702.4	744.1	774.5	793.5	804.9	808.6
55°	421.4	444.2	478.4	501.1	527.8	584.6	637.8	672.0	691.0	706.1	713.8
57.5°	311.2	337.9	375.9	394.9	425.2	489.8	535.2	577.1	599.9	618.9	622.6
60°	227.8	254.4	288.5	311.2	341.6	406.2	459.4	497.4	523.9	539.1	546.8
62.5°	163.2	189.9	224.0	246.8	273.4	330.2	383.5	421.4	448.0	467.0	478.4
65°	117.8	144.2	178.4	197.4	220.2	273.4	322.8	360.6	387.2	410.0	417.6
67.5°	87.4	106.2	136.6	155.6	178.4	220.2	262.0	296.1	322.8	341.6	349.2
70°	64.5	79.8	106.2	117.8	132.9	170.9	205.0	235.4	258.1	273.4	281.0
72.5°	45.5	57.0	75.9	87.4	98.8	129.1	155.6	178.4	193.6	208.8	216.4
75°	30.4	38.0	53.1	60.8	68.4	91.1	110.1	129.1	140.5	151.9	155.6
77.5°	19.0	26.6	38.0	41.8	49.4	60.8	75.9	87.4	94.9	102.5	110.1
80°	11.4	15.1	22.8	26.6	30.4	41.8	49.4	57.0	64.5	72.1	75.9
82.5°	7.6	11.4	15.1	15.1	19.0	22.8	30.4	38.0	41.8	45.5	49.4
85°	3.8	3.8	7.6	7.6	11.4	11.4	15.1	19.0	22.8	26.6	30.4
87.5°	3.8	3.8	3.8	3.8	7.6	7.6	11.4	11.4	11.4	15.1	15.1
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: P252720

CATALOG NUMBER: LE\_6B50D010R EC6B30509030 6LBDW1H

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1	2684.1
2.5°	2672.8	2684.1	2672.8	2680.2	2676.5	2676.5	2672.8	2676.5
5°	2684.1	2699.2	2684.1	2695.5	2687.9	2687.9	2687.9	2691.8
7.5°	2695.5	2710.6	2699.2	2710.6	2706.9	2703.1	2703.1	2710.6
10°	2706.9	2718.2	2710.6	2722.1	2718.2	2714.5	2714.5	2722.1
12.5°	2706.9	2722.1	2714.5	2725.9	2722.1	2718.2	2718.2	2722.1
15°	2695.5	2714.5	2703.1	2714.5	2710.6	2706.9	2706.9	2714.5
17.5°	2661.4	2676.5	2668.9	2676.5	2676.5	2672.8	2676.5	2680.2
20°	2615.8	2627.1	2619.6	2627.1	2627.1	2619.6	2623.4	2627.1
22.5°	2551.2	2562.6	2555.0	2562.6	2558.9	2555.0	2555.0	2551.2
25°	2471.5	2486.8	2475.2	2482.9	2475.2	2467.8	2467.8	2471.5
27.5°	2372.8	2384.1	2369.0	2376.6	2369.0	2361.4	2361.4	2357.6
30°	2243.8	2247.5	2236.1	2243.8	2236.1	2232.4	2224.8	2224.8
32.5°	2088.0	2091.9	2080.5	2080.5	2072.9	2072.9	2057.8	2069.1
35°	1905.9	1909.6	1905.9	1902.0	1890.6	1886.9	1883.0	1883.0
37.5°	1716.0	1716.0	1704.6	1700.9	1693.2	1685.6	1689.4	1678.0
40°	1522.4	1518.6	1507.2	1511.0	1507.2	1495.8	1492.0	1488.2
42.5°	1340.1	1340.1	1328.8	1332.6	1325.0	1321.1	1309.8	1313.6
45°	1180.8	1180.8	1169.4	1169.4	1165.5	1154.1	1157.9	1150.4
47.5°	1036.5	1036.5	1032.6	1032.6	1021.2	1017.5	1017.5	1017.5
50°	911.1	911.1	911.1	911.1	907.4	903.5	899.8	903.5
52.5°	804.9	812.5	808.6	808.6	804.9	801.0	797.2	797.2
55°	710.0	713.8	713.8	717.5	713.8	710.0	713.8	710.0
57.5°	626.4	634.0	634.0	634.0	634.0	634.0	630.2	626.4
60°	554.2	558.1	558.1	561.9	561.9	561.9	558.1	558.1
62.5°	482.1	489.8	493.5	493.5	497.4	493.5	493.5	493.5
65°	425.2	432.8	436.6	432.8	436.6	436.6	432.8	432.8
67.5°	356.9	364.5	364.5	364.5	364.5	368.2	364.5	364.5
70°	288.5	296.1	292.4	296.1	296.1	296.1	296.1	296.1
72.5°	220.2	224.0	227.8	227.8	231.6	227.8	227.8	227.8
75°	159.5	167.0	167.0	167.0	167.0	170.9	170.9	170.9
77.5°	113.9	117.8	117.8	121.5	121.5	121.5	121.5	125.2
80°	79.8	79.8	83.5	83.5	87.4	87.4	87.4	87.4
82.5°	53.1	57.0	57.0	57.0	57.0	57.0	57.0	57.0
85°	30.4	34.1	34.1	34.1	34.1	38.0	38.0	38.0
87.5°	19.0	19.0	19.0	19.0	19.0	19.0	15.1	15.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By E9808895 / USPTCWHP6082093





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















(END OF REPORT)