

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: P252738

Luminaire Tested: **LE_6B60D010R EC6B60709730 6LBDW1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252738
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_6B60D010R EC6B60709730 6LBDW1H
Description: PORTFOLIO 6 INCH DOUBLE WALLWASH RECESSED DOWNLIGHT, WITH HAZE TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5202.5 lumens
Efficiency: N/A
Efficacy: 83.2 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

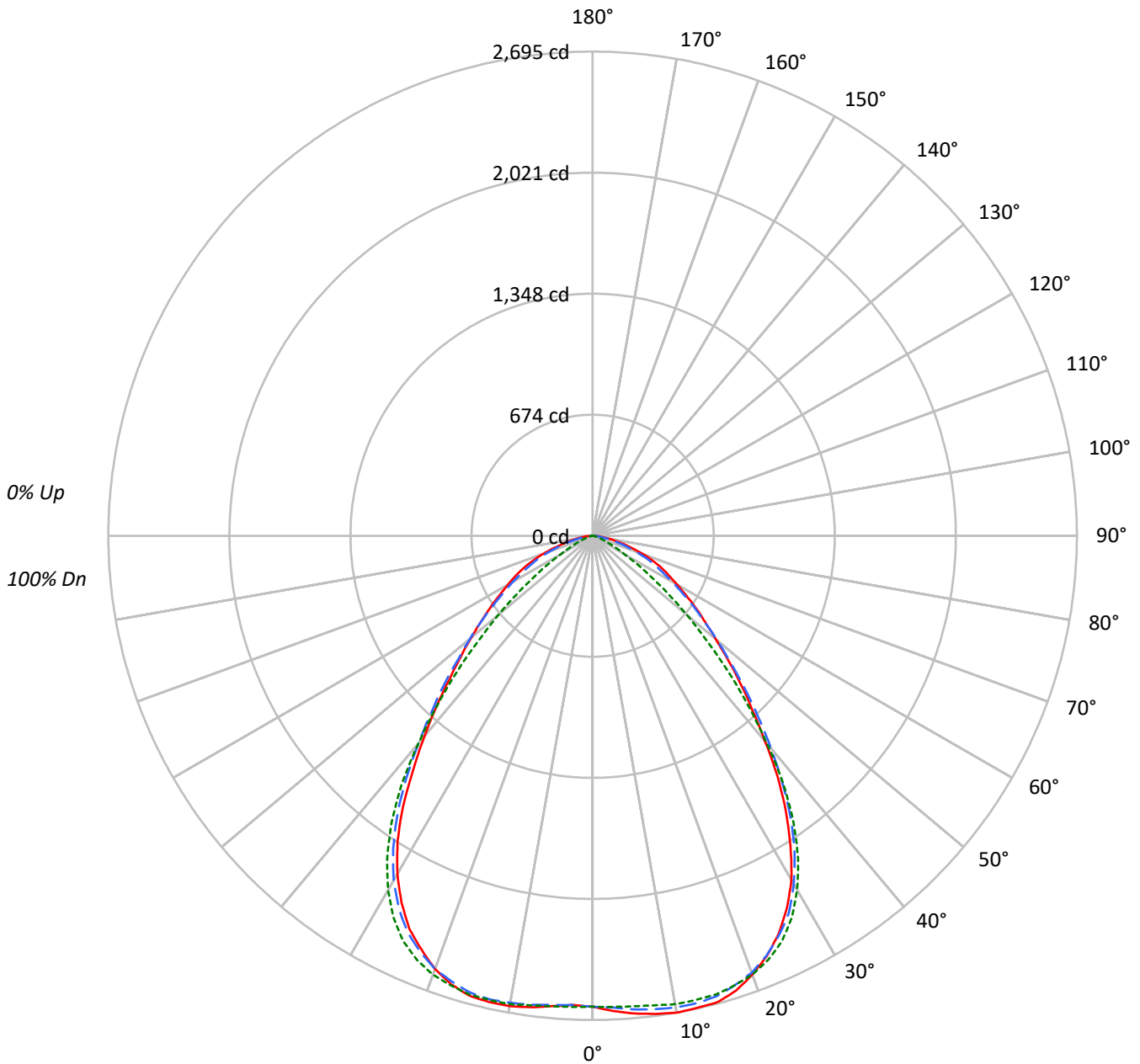
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252738

CATALOG NUMBER: LE_6B60D010R EC6B60709730 6LBDW1H

Luminous Intensity Polar Plot





TEST NUMBER: P252738

CATALOG NUMBER: LE_6B60D010R EC6B60709730 6LBDW1H

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	98	96	97	95	93	94	92	91	89																			
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78																			
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68																			
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61																			
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54																			
6	77	65	57	52	75	64	57	51	63	56	51	61	55	51	59	54	50	48																			
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	45	44																			
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	45	41	40																			
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	171002	171002	171002
5°	174819	172140	172140
10°	178549	175363	176098
15°	181546	178541	179041
20°	180435	180435	178117
25°	176140	179344	173736
30°	166743	171489	163662
35°	149412	155314	146458
40°	126931	128506	123763
45°	107405	98169	103650
50°	90687	69231	89560
55°	79711	44701	78847
60°	70616	26605	71112
65°	65238	16024	65238
70°	56577	9194	55146
75°	44869	5596	42071
80°	33438	4170	32010
85°	30541	2844	27771



TEST NUMBER: P252738

CATALOG NUMBER: LE_6B60D010R EC6B60709730 6LBDW1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.4	4.9
10°-20°	746.9	14.4
20°-30°	1123.3	21.6
30°-40°	1181.0	22.7
40°-50°	882.2	17.0
50°-60°	549.2	10.6
60°-70°	312.4	6.0
70°-80°	128.6	2.5
80°-90°	26.6	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°	2122.5	40.8
0°-40°	3303.4	63.5
0°-60°	4734.9	91.0
0°-90°	5202.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5202.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2621	2621	2621	2621	2621	
5°	2669	2647	2628	2621	2628	255
15°	2688	2654	2643	2632	2651	756
25°	2447	2454	2491	2436	2414	1120
35°	1876	1924	1950	1894	1839	1164
45°	1164	1190	1064	1168	1123	902
55°	701	686	393	675	693	630
65°	423	378	104	378	423	416
75°	178	141	22	137	167	193
85°	41	26	4	22	37	45
90°	0	0	0	0	0	



TEST NUMBER: P252738

CATALOG NUMBER: LE_6B60D010R EC6B60709730 6LBDW1H

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1
2.5°	2647.1	2643.4	2647.1	2639.6	2636.0	2636.0	2639.6	2632.2	2628.5	2632.2	2628.5
5°	2669.4	2661.9	2665.6	2661.9	2654.5	2654.5	2658.2	2647.1	2647.1	2650.8	2647.1
7.5°	2684.1	2684.1	2684.1	2676.8	2673.0	2669.4	2676.8	2665.6	2661.9	2661.9	2658.2
10°	2695.2	2691.6	2695.2	2687.9	2680.5	2676.8	2684.1	2676.8	2669.4	2676.8	2665.6
12.5°	2691.6	2691.6	2691.6	2687.9	2680.5	2676.8	2684.1	2673.0	2669.4	2673.0	2665.6
15°	2687.9	2676.8	2680.5	2676.8	2665.6	2665.6	2669.4	2658.2	2650.8	2661.9	2654.5
17.5°	2654.5	2647.1	2650.8	2643.4	2636.0	2632.2	2636.0	2632.2	2624.9	2632.2	2624.9
20°	2598.9	2598.9	2602.6	2595.1	2587.8	2584.0	2591.5	2584.0	2576.6	2587.8	2587.8
22.5°	2532.1	2532.1	2532.1	2528.5	2524.8	2524.8	2524.8	2521.0	2517.4	2524.8	2528.5
25°	2446.9	2443.1	2446.9	2450.6	2446.9	2443.1	2446.9	2446.9	2439.5	2454.2	2454.2
27.5°	2339.4	2339.4	2346.8	2343.1	2343.1	2339.4	2346.8	2346.8	2343.1	2354.2	2365.4
30°	2213.4	2205.9	2213.4	2213.4	2217.0	2217.0	2220.8	2220.8	2220.8	2231.9	2239.2
32.5°	2050.2	2053.9	2065.0	2061.4	2057.6	2068.8	2068.8	2076.1	2079.9	2087.2	2091.0
35°	1876.0	1879.6	1879.6	1883.4	1890.8	1883.4	1901.9	1898.2	1901.9	1916.8	1924.1
37.5°	1690.6	1679.5	1698.0	1690.6	1694.2	1694.2	1701.8	1705.4	1716.5	1735.1	1735.1
40°	1490.4	1494.1	1501.5	1505.2	1508.9	1508.9	1508.9	1520.0	1523.8	1546.0	1542.2
42.5°	1316.1	1316.1	1323.5	1327.2	1327.2	1327.2	1327.2	1338.4	1345.8	1353.2	1360.6
45°	1164.1	1153.0	1160.4	1160.4	1167.9	1164.1	1171.5	1179.0	1182.6	1193.8	1190.1
47.5°	1019.5	1015.9	1019.5	1023.2	1019.5	1023.2	1027.0	1030.6	1034.4	1034.4	1034.4
50°	893.5	893.5	897.2	900.9	900.9	900.9	900.9	904.6	904.6	912.0	904.6
52.5°	789.6	793.4	793.4	789.6	793.4	793.4	797.1	797.1	793.4	793.4	782.2
55°	700.8	697.0	700.8	697.0	700.8	700.8	697.0	697.0	693.2	689.6	685.9
57.5°	615.4	615.4	615.4	615.4	611.8	615.4	611.8	608.0	608.0	600.6	589.5
60°	541.2	541.2	541.2	541.2	541.2	537.6	541.2	537.6	530.1	522.8	507.9
62.5°	478.2	474.5	478.2	474.5	474.5	470.9	470.9	467.1	459.8	452.2	437.5
65°	422.6	426.4	422.6	422.6	418.9	415.2	415.2	411.5	400.4	393.0	378.1
67.5°	363.4	359.6	359.6	359.6	355.9	355.9	355.9	348.5	341.1	330.0	315.1
70°	296.6	296.6	296.6	292.9	292.9	289.1	289.1	285.5	278.0	270.6	252.1
72.5°	233.6	233.6	233.6	226.1	229.9	226.1	226.1	218.8	215.0	203.9	192.8
75°	178.0	178.0	174.2	174.2	170.5	166.9	166.9	163.1	159.4	152.0	140.9
77.5°	129.8	129.8	129.8	126.0	122.4	118.6	118.6	114.9	111.2	107.5	100.1
80°	89.0	89.0	89.0	89.0	85.2	81.6	81.6	77.9	77.9	74.1	66.8
82.5°	59.4	59.4	59.4	59.4	55.6	55.6	55.6	51.9	48.2	48.2	40.8
85°	40.8	40.8	37.1	37.1	37.1	37.1	33.4	33.4	29.6	26.0	26.0
87.5°	22.2	22.2	22.2	22.2	18.5	18.5	18.5	18.5	14.9	14.9	11.1
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: P252738

CATALOG NUMBER: LE_6B60D010R EC6B60709730 6LBDW1H

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1
2.5°	2639.6	2639.6	2636.0	2624.9	2628.5	2624.9	2628.5	2624.9	2613.8	2624.9	2613.8
5°	2654.5	2658.2	2650.8	2636.0	2639.6	2636.0	2636.0	2632.2	2621.1	2628.5	2621.1
7.5°	2669.4	2665.6	2661.9	2647.1	2650.8	2647.1	2647.1	2639.6	2628.5	2636.0	2624.9
10°	2676.8	2676.8	2669.4	2654.5	2654.5	2650.8	2654.5	2650.8	2636.0	2647.1	2639.6
12.5°	2676.8	2673.0	2673.0	2654.5	2658.2	2654.5	2658.2	2650.8	2639.6	2647.1	2643.4
15°	2665.6	2665.6	2661.9	2643.4	2647.1	2647.1	2650.8	2643.4	2632.2	2643.4	2636.0
17.5°	2643.4	2643.4	2639.6	2624.9	2632.2	2632.2	2636.0	2628.5	2617.4	2624.9	2624.9
20°	2598.9	2602.6	2602.6	2591.5	2598.9	2598.9	2602.6	2598.9	2595.1	2598.9	2591.5
22.5°	2547.0	2554.4	2554.4	2543.2	2550.8	2550.8	2561.8	2558.1	2550.8	2554.4	2550.8
25°	2469.1	2476.5	2484.0	2476.5	2484.0	2484.0	2495.1	2491.4	2484.0	2491.4	2480.2
27.5°	2380.1	2383.9	2391.2	2383.9	2395.0	2391.2	2402.4	2398.6	2387.6	2398.6	2395.0
30°	2254.1	2268.9	2280.0	2268.9	2280.0	2280.0	2287.5	2283.8	2280.0	2276.4	2276.4
32.5°	2113.2	2128.0	2128.0	2124.4	2131.8	2131.8	2135.5	2128.0	2124.4	2128.0	2131.8
35°	1939.0	1946.4	1953.8	1950.1	1953.8	1957.5	1953.8	1957.5	1946.4	1950.1	1950.1
37.5°	1749.9	1757.2	1757.2	1746.1	1753.6	1753.6	1746.1	1746.1	1738.8	1746.1	1731.4
40°	1549.8	1542.2	1546.0	1538.6	1531.1	1531.1	1527.5	1512.6	1505.2	1508.9	1512.6
42.5°	1353.2	1353.2	1342.1	1323.5	1305.0	1305.0	1293.9	1286.5	1271.6	1279.0	1275.4
45°	1186.4	1167.9	1153.0	1123.4	1112.2	1104.8	1086.2	1067.8	1060.4	1064.0	1060.4
47.5°	1027.0	1012.1	975.0	934.2	923.1	912.0	889.8	867.5	860.1	852.8	852.8
50°	893.5	867.5	826.8	782.2	763.8	745.1	715.5	693.2	678.5	682.1	682.1
52.5°	771.1	741.5	693.2	637.6	615.4	593.1	567.2	541.2	530.1	526.5	526.5
55°	663.6	630.2	582.0	519.0	500.5	474.5	441.1	411.5	396.8	393.0	400.4
57.5°	567.2	537.6	482.0	418.9	396.8	370.8	337.4	311.4	292.9	289.1	292.9
60°	489.4	448.6	400.4	341.1	311.4	289.1	252.1	229.9	211.4	203.9	207.6
62.5°	411.5	374.5	326.2	266.9	244.8	222.5	189.1	163.1	148.2	144.6	148.2
65°	352.2	315.1	270.6	218.8	196.5	174.2	144.6	118.6	107.5	103.8	107.5
67.5°	292.9	259.5	222.5	174.2	155.8	137.1	107.5	89.0	74.1	70.5	74.1
70°	237.2	207.6	170.5	137.1	118.6	103.8	81.6	63.0	51.9	48.2	51.9
72.5°	178.0	155.8	129.8	100.1	89.0	77.9	59.4	44.5	37.1	33.4	37.1
75°	129.8	111.2	92.6	70.5	63.0	55.6	40.8	29.6	26.0	22.2	26.0
77.5°	89.0	77.9	63.0	48.2	40.8	37.1	26.0	22.2	18.5	14.9	14.9
80°	59.4	51.9	40.8	33.4	29.6	26.0	18.5	14.9	11.1	11.1	11.1
82.5°	37.1	29.6	26.0	18.5	14.9	14.9	11.1	7.4	7.4	7.4	7.4
85°	22.2	18.5	14.9	11.1	7.4	7.4	3.8	3.8	3.8	3.8	3.8
87.5°	11.1	7.4	7.4	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: P252738

CATALOG NUMBER: LE_6B60D010R EC6B60709730 6LBDW1H

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1
2.5°	2621.1	2613.8	2613.8	2617.4	2621.1	2624.9	2617.4	2613.8	2613.8	2624.9	2617.4
5°	2621.1	2617.4	2617.4	2617.4	2624.9	2628.5	2621.1	2617.4	2621.1	2632.2	2628.5
7.5°	2632.2	2624.9	2628.5	2628.5	2632.2	2639.6	2632.2	2628.5	2632.2	2643.4	2636.0
10°	2639.6	2632.2	2636.0	2632.2	2643.4	2647.1	2639.6	2636.0	2639.6	2654.5	2650.8
12.5°	2643.4	2639.6	2639.6	2636.0	2647.1	2650.8	2643.4	2639.6	2643.4	2654.5	2650.8
15°	2636.0	2632.2	2632.2	2632.2	2639.6	2647.1	2636.0	2632.2	2632.2	2643.4	2639.6
17.5°	2621.1	2613.8	2613.8	2613.8	2617.4	2621.1	2610.0	2606.2	2602.6	2613.8	2610.0
20°	2595.1	2587.8	2580.4	2580.4	2584.0	2584.0	2576.6	2565.5	2565.5	2569.2	2561.8
22.5°	2547.0	2543.2	2535.9	2532.1	2539.6	2535.9	2521.0	2509.9	2506.2	2509.9	2502.5
25°	2480.2	2472.9	2469.1	2465.4	2469.1	2465.4	2450.6	2435.8	2435.8	2435.8	2424.6
27.5°	2387.6	2380.1	2376.5	2376.5	2380.1	2372.8	2357.9	2343.1	2335.6	2335.6	2324.5
30°	2268.9	2268.9	2265.2	2261.5	2257.8	2257.8	2235.5	2220.8	2213.4	2217.0	2209.6
32.5°	2124.4	2120.6	2116.9	2105.8	2109.5	2105.8	2087.2	2076.1	2065.0	2057.6	2053.9
35°	1939.0	1939.0	1935.2	1935.2	1935.2	1931.5	1913.0	1901.9	1894.5	1890.8	1879.6
37.5°	1735.1	1731.4	1727.6	1727.6	1727.6	1727.6	1716.5	1705.4	1705.4	1701.8	1694.2
40°	1505.2	1508.9	1512.6	1508.9	1520.0	1531.1	1516.4	1508.9	1505.2	1516.4	1501.5
42.5°	1282.8	1279.0	1297.6	1301.2	1301.2	1319.9	1323.5	1327.2	1323.5	1331.0	1331.0
45°	1067.8	1064.0	1082.5	1090.0	1108.5	1130.8	1141.9	1160.4	1167.9	1175.2	1167.9
47.5°	863.9	878.6	893.5	912.0	926.9	963.9	986.1	1004.8	1012.1	1023.2	1023.2
50°	693.2	708.1	734.1	748.9	767.4	811.9	849.0	875.0	889.8	900.9	897.2
52.5°	533.9	559.9	593.1	608.0	634.0	685.9	726.6	756.2	774.9	786.0	789.6
55°	411.5	433.8	467.1	489.4	515.4	571.0	622.9	656.2	674.8	689.6	697.0
57.5°	304.0	330.0	367.0	385.6	415.2	478.2	522.8	563.5	585.8	604.2	608.0
60°	222.5	248.4	281.8	304.0	333.6	396.8	448.6	485.6	511.6	526.5	533.9
62.5°	159.4	185.4	218.8	241.0	266.9	322.5	374.5	411.5	437.5	456.0	467.1
65°	114.9	140.9	174.2	192.8	215.0	266.9	315.1	352.2	378.1	400.4	407.9
67.5°	85.2	103.8	133.5	152.0	174.2	215.0	255.8	289.1	315.1	333.6	341.1
70°	63.0	77.9	103.8	114.9	129.8	166.9	200.2	229.9	252.1	266.9	274.4
72.5°	44.5	55.6	74.1	85.2	96.4	126.0	152.0	174.2	189.1	203.9	211.4
75°	29.6	37.1	51.9	59.4	66.8	89.0	107.5	126.0	137.1	148.2	152.0
77.5°	18.5	26.0	37.1	40.8	48.2	59.4	74.1	85.2	92.6	100.1	107.5
80°	11.1	14.9	22.2	26.0	29.6	40.8	48.2	55.6	63.0	70.5	74.1
82.5°	7.4	11.1	14.9	14.9	18.5	22.2	29.6	37.1	40.8	44.5	48.2
85°	3.8	3.8	7.4	7.4	11.1	11.1	14.9	18.5	22.2	26.0	29.6
87.5°	3.8	3.8	3.8	3.8	7.4	7.4	11.1	11.1	11.1	14.9	14.9
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: P252738

CATALOG NUMBER: LE_6B60D010R EC6B60709730 6LBDW1H

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1
2.5°	2610.0	2621.1	2610.0	2617.4	2613.8	2613.8	2610.0	2613.8
5°	2621.1	2636.0	2621.1	2632.2	2624.9	2624.9	2624.9	2628.5
7.5°	2632.2	2647.1	2636.0	2647.1	2643.4	2639.6	2639.6	2647.1
10°	2643.4	2654.5	2647.1	2658.2	2654.5	2650.8	2650.8	2658.2
12.5°	2643.4	2658.2	2650.8	2661.9	2658.2	2654.5	2654.5	2658.2
15°	2632.2	2650.8	2639.6	2650.8	2647.1	2643.4	2643.4	2650.8
17.5°	2598.9	2613.8	2606.2	2613.8	2613.8	2610.0	2613.8	2617.4
20°	2554.4	2565.5	2558.1	2565.5	2565.5	2558.1	2561.8	2565.5
22.5°	2491.4	2502.5	2495.1	2502.5	2498.8	2495.1	2495.1	2491.4
25°	2413.5	2428.4	2417.2	2424.6	2417.2	2409.8	2409.8	2413.5
27.5°	2317.1	2328.2	2313.4	2320.9	2313.4	2306.0	2306.0	2302.2
30°	2191.1	2194.8	2183.6	2191.1	2183.6	2180.0	2172.5	2172.5
32.5°	2039.1	2042.8	2031.6	2031.6	2024.2	2024.2	2009.4	2020.5
35°	1861.1	1864.9	1861.1	1857.4	1846.2	1842.6	1838.9	1838.9
37.5°	1675.8	1675.8	1664.6	1660.9	1653.5	1646.1	1649.8	1638.6
40°	1486.6	1483.0	1471.9	1475.5	1471.9	1460.8	1457.0	1453.2
42.5°	1308.8	1308.8	1297.6	1301.2	1293.9	1290.1	1279.0	1282.8
45°	1153.0	1153.0	1141.9	1141.9	1138.1	1127.0	1130.8	1123.4
47.5°	1012.1	1012.1	1008.4	1008.4	997.2	993.6	993.6	993.6
50°	889.8	889.8	889.8	889.8	886.1	882.4	878.6	882.4
52.5°	786.0	793.4	789.6	789.6	786.0	782.2	778.5	778.5
55°	693.2	697.0	697.0	700.8	697.0	693.2	697.0	693.2
57.5°	611.8	619.1	619.1	619.1	619.1	619.1	615.4	611.8
60°	541.2	545.0	545.0	548.8	548.8	548.8	545.0	545.0
62.5°	470.9	478.2	482.0	482.0	485.6	482.0	482.0	482.0
65°	415.2	422.6	426.4	422.6	426.4	426.4	422.6	422.6
67.5°	348.5	355.9	355.9	355.9	355.9	359.6	355.9	355.9
70°	281.8	289.1	285.5	289.1	289.1	289.1	289.1	289.1
72.5°	215.0	218.8	222.5	222.5	226.1	222.5	222.5	222.5
75°	155.8	163.1	163.1	163.1	163.1	166.9	166.9	166.9
77.5°	111.2	114.9	114.9	118.6	118.6	118.6	118.6	122.4
80°	77.9	77.9	81.6	81.6	85.2	85.2	85.2	85.2
82.5°	51.9	55.6	55.6	55.6	55.6	55.6	55.6	55.6
85°	29.6	33.4	33.4	33.4	33.4	37.1	37.1	37.1
87.5°	18.5	18.5	18.5	18.5	18.5	18.5	14.9	14.9
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)