

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: io LED

Report Number: P212856

Luminaire Tested: **LD6B60D010TE EU6B60709035 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212856
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: io LED
Catalog Number: LD6B60D010TE EU6B60709035 6LBSWL11
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4943.2 lumens
Efficiency: N/A
Efficacy: 79.1 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

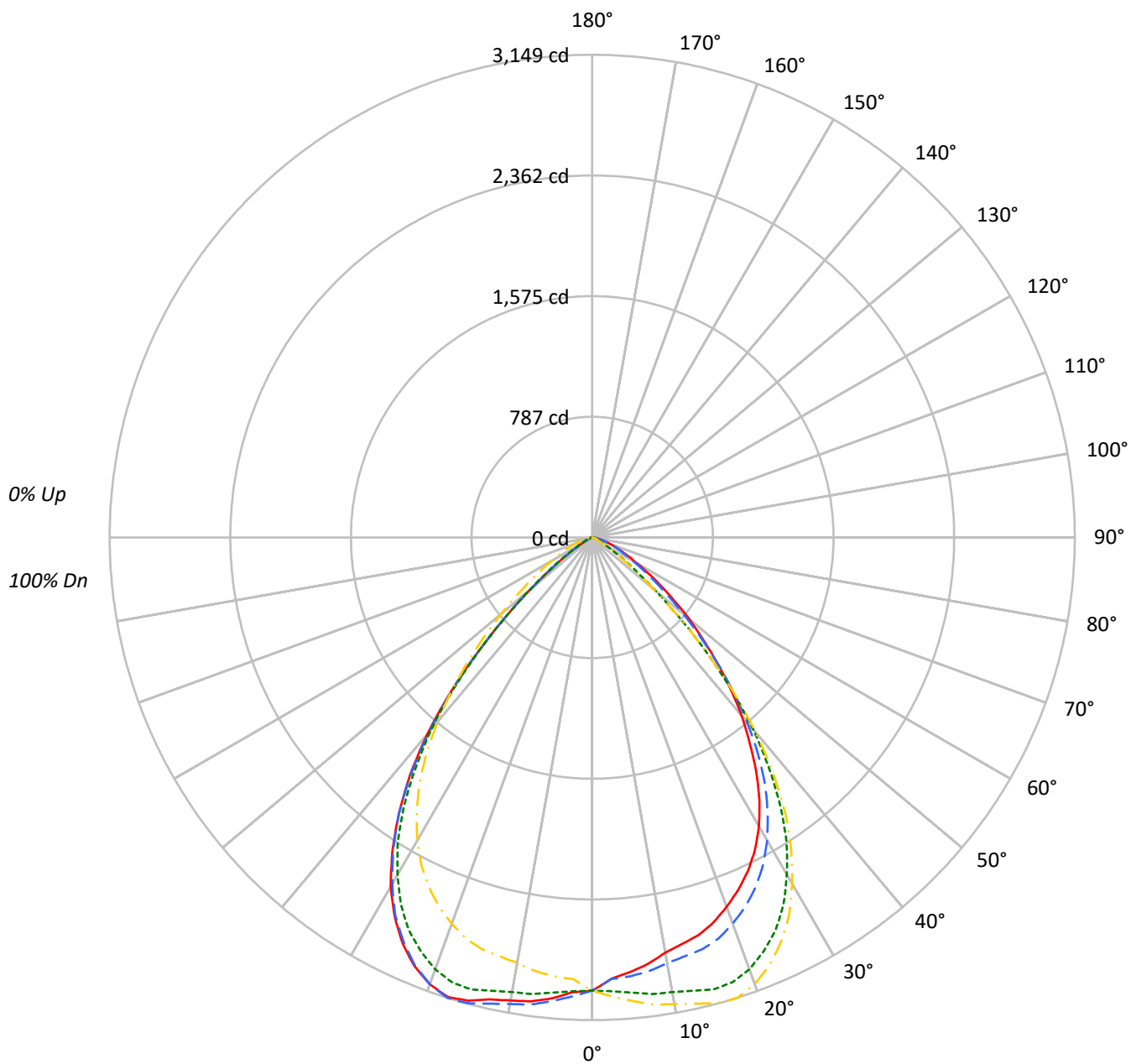
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	103		110	107	104	102		103	100	98		99	97	96		95	94	93
2	105	99	94	90		103	97	93	89		94	90	87		91	88	85		88	86	84
3	98	91	84	80		96	89	84	79		86	82	78		84	80	76		81	78	75
4	92	83	76	71		90	82	75	71		79	74	70		77	73	69		75	71	68
5	86	76	69	64		84	75	68	63		73	67	63		71	66	62		70	65	62
6	81	70	63	57		79	69	62	57		67	61	57		66	60	56		64	60	56
7	76	64	57	52		74	64	57	52		62	56	52		61	56	51		60	55	51
8	71	60	53	48		70	59	52	48		58	52	47		57	51	47		56	51	47
9	67	55	48	44		66	55	48	44		54	48	43		53	47	43		52	47	43
10	63	52	45	40		62	51	45	40		50	44	40		49	44	40		49	43	40

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	162081	162081	162081	162081
5°	156642	164027	166112	164027
10°	153087	167649	170710	167649
15°	152368	173270	177566	173270
20°	149591	174893	180919	174893
25°	145315	171131	176962	171131
30°	137698	160791	166456	160791
35°	124845	143276	147191	143276
40°	108374	116754	119710	116754
45°	88862	80590	81117	80590
50°	69866	45210	44323	45210
55°	51649	22365	20071	22365
60°	36609	9813	7170	9813
65°	27240	6252	4462	6252
70°	19859	4969	3318	4969
75°	14572	3643	2182	3643
80°	9787	3252	1073	3252
85°	6479	2139	2139	2139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.0	5.7
10°-20°	838.3	17.0
20°-30°	1251.0	25.3
30°-40°	1285.3	26.0
40°-50°	832.3	16.8
50°-60°	309.5	6.3
60°-70°	101.5	2.1
70°-80°	35.8	0.7
80°-90°	6.4	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°	2372.3	48.0
0°-40°	3657.6	74.0
0°-60°	4799.4	97.1
0°-90°	4943.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4943.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2957	2957	2957	2957	2957	
5°	2846	2981	3019	2981	2846	269
15°	2685	3053	3129	3053	2685	755
25°	2402	2829	2926	2829	2402	1101
35°	1866	2141	2199	2141	1866	1158
45°	1146	1040	1046	1040	1146	886
55°	540	234	210	234	540	493
65°	210	48	34	48	210	214
75°	69	17	10	17	69	76
85°	10	3	3	3	10	14
90°	0	0	0	0	0	



TEST NUMBER: P212856

CATALOG NUMBER: LD6B60D010TE EU6B60709035 6LBSWL11

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6
2.5°	2880.9	2922.2	2894.6	2911.9	2884.3	2884.3	2939.4	2908.4	2932.5	2908.4	2884.3
5°	2846.5	2898.1	2863.7	2880.9	2856.8	2860.2	2911.9	2887.8	2911.9	2894.6	2874.0
7.5°	2805.2	2856.8	2825.8	2843.0	2818.9	2825.8	2880.9	2856.8	2884.3	2867.1	2853.3
10°	2750.1	2805.2	2777.6	2794.8	2774.2	2777.6	2832.7	2815.5	2839.6	2829.2	2818.9
12.5°	2715.7	2767.3	2736.3	2753.5	2739.8	2746.6	2798.3	2784.5	2815.5	2805.2	2798.3
15°	2684.7	2732.9	2705.3	2722.5	2712.2	2715.7	2770.7	2757.0	2791.4	2784.5	2781.1
17.5°	2633.1	2684.7	2653.7	2674.4	2664.0	2667.5	2722.5	2712.2	2746.6	2746.6	2743.2
20°	2564.2	2615.8	2591.8	2605.5	2598.6	2605.5	2653.7	2646.8	2681.2	2681.2	2681.2
22.5°	2488.5	2540.1	2512.6	2526.4	2519.5	2529.8	2574.5	2574.5	2602.1	2605.5	2609.0
25°	2402.4	2454.1	2426.5	2443.8	2436.9	2443.8	2485.1	2488.5	2512.6	2512.6	2519.5
27.5°	2299.2	2350.8	2323.3	2337.1	2333.6	2337.1	2381.8	2388.7	2402.4	2405.9	2412.8
30°	2175.3	2223.5	2195.9	2209.7	2209.7	2209.7	2254.4	2257.9	2271.7	2275.1	2282.0
32.5°	2030.7	2072.0	2051.4	2065.1	2061.7	2068.6	2099.6	2113.3	2130.5	2127.1	2130.5
35°	1865.5	1910.3	1889.6	1899.9	1903.4	1913.7	1934.4	1951.6	1955.0	1958.4	1965.3
37.5°	1686.5	1731.3	1710.6	1721.0	1724.4	1745.0	1751.9	1769.1	1776.0	1776.0	1776.0
40°	1514.4	1535.1	1517.9	1528.2	1531.6	1548.9	1555.7	1569.5	1576.4	1573.0	1569.5
42.5°	1328.6	1345.8	1328.6	1338.9	1338.9	1352.7	1356.1	1373.3	1373.3	1366.4	1356.1
45°	1146.2	1163.4	1146.2	1153.0	1153.0	1166.8	1166.8	1166.8	1173.7	1163.4	1146.2
47.5°	974.1	991.3	974.1	980.9	977.5	987.8	984.4	987.8	977.5	970.6	950.0
50°	819.2	826.1	819.2	815.7	819.2	826.1	822.6	822.6	808.8	798.5	774.4
52.5°	667.7	678.1	667.7	667.7	667.7	674.6	674.6	671.2	657.4	643.6	619.5
55°	540.4	547.3	543.8	540.4	540.4	547.3	540.4	540.4	526.6	516.3	492.2
57.5°	430.2	433.7	430.2	430.2	430.2	433.7	433.7	426.8	416.5	406.1	388.9
60°	333.9	337.3	337.3	333.9	333.9	340.7	340.7	337.3	327.0	320.1	302.9
62.5°	265.0	265.0	265.0	265.0	265.0	268.5	268.5	268.5	261.6	254.7	240.9
65°	210.0	213.4	210.0	210.0	213.4	216.8	213.4	216.8	210.0	206.5	196.2
67.5°	161.8	165.2	161.8	165.2	165.2	168.7	165.2	168.7	161.8	158.3	151.4
70°	123.9	123.9	123.9	123.9	123.9	127.4	123.9	127.4	123.9	120.5	113.6
72.5°	92.9	92.9	96.4	96.4	92.9	96.4	92.9	92.9	92.9	89.5	86.0
75°	68.8	68.8	72.3	68.8	68.8	68.8	68.8	68.8	65.4	65.4	62.0
77.5°	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	44.7	44.7	41.3
80°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	27.5	27.5
82.5°	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	17.2	17.2
85°	10.3	10.3	10.3	13.8	10.3	10.3	10.3	10.3	10.3	10.3	10.3
87.5°	3.4	3.4	3.4	6.9	3.4	3.4	6.9	6.9	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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6
2.5°	2911.9	2922.2	2922.2	2911.9	2935.9	2915.3	2956.6	2918.7	2929.1	2963.5	2960.0
5°	2901.5	2915.3	2918.7	2911.9	2942.8	2925.6	2966.9	2929.1	2946.3	2980.7	2980.7
7.5°	2887.8	2905.0	2911.9	2918.7	2946.3	2929.1	2977.2	2939.4	2963.5	3004.8	3001.3
10°	2856.8	2880.9	2894.6	2905.0	2932.5	2922.2	2973.8	2942.8	2963.5	3011.7	3008.2
12.5°	2839.6	2867.1	2887.8	2905.0	2935.9	2929.1	2980.7	2953.2	2980.7	3028.9	3028.9
15°	2825.8	2856.8	2880.9	2911.9	2942.8	2935.9	2991.0	2966.9	2994.5	3053.0	3049.5
17.5°	2791.4	2829.2	2853.3	2887.8	2918.7	2915.3	2973.8	2956.6	2987.6	3042.6	3046.1
20°	2732.9	2767.3	2794.8	2836.1	2870.5	2863.7	2925.6	2908.4	2939.4	2997.9	3001.3
22.5°	2657.2	2691.6	2719.1	2763.8	2794.8	2791.4	2853.3	2836.1	2867.1	2922.2	2925.6
25°	2567.7	2598.6	2626.2	2667.5	2701.9	2701.9	2757.0	2739.8	2774.2	2829.2	2829.2
27.5°	2457.5	2485.1	2509.1	2557.3	2584.9	2584.9	2636.5	2619.3	2653.7	2701.9	2698.5
30°	2323.3	2347.4	2368.0	2409.3	2433.4	2436.9	2481.6	2464.4	2498.8	2540.1	2540.1
32.5°	2161.5	2185.6	2199.4	2251.0	2268.2	2264.8	2299.2	2282.0	2316.4	2361.1	2350.8
35°	1989.4	1999.7	2010.1	2061.7	2068.6	2054.8	2089.2	2072.0	2096.1	2140.9	2134.0
37.5°	1793.2	1796.7	1796.7	1841.4	1844.9	1834.5	1855.2	1834.5	1851.7	1893.0	1889.6
40°	1576.4	1573.0	1569.5	1603.9	1600.5	1579.8	1593.6	1576.4	1600.5	1631.5	1614.3
42.5°	1356.1	1345.8	1332.0	1349.2	1335.5	1318.2	1325.1	1297.6	1314.8	1338.9	1318.2
45°	1139.3	1118.6	1091.1	1094.5	1077.3	1056.7	1046.3	1018.8	1015.4	1039.5	1022.2
47.5°	936.2	894.9	870.8	857.0	829.5	812.3	791.6	760.7	746.9	760.7	743.5
50°	753.8	712.5	681.5	650.5	623.0	602.3	567.9	547.3	526.6	530.1	516.3
52.5°	595.4	567.9	516.3	492.2	464.7	440.6	409.6	385.5	361.4	361.4	347.6
55°	471.5	433.7	399.3	364.8	337.3	316.7	285.7	261.6	237.5	234.0	220.3
57.5°	364.8	337.3	299.4	265.0	247.8	227.2	196.2	168.7	154.9	144.6	134.2
60°	282.2	254.7	223.7	196.2	175.5	161.8	130.8	110.1	96.4	89.5	79.2
62.5°	227.2	203.1	175.5	148.0	134.2	120.5	96.4	79.2	65.4	58.5	51.6
65°	182.4	161.8	141.1	120.5	110.1	96.4	79.2	65.4	55.1	48.2	41.3
67.5°	141.1	127.4	110.1	96.4	86.0	75.7	62.0	51.6	44.7	37.9	34.4
70°	106.7	96.4	86.0	72.3	65.4	58.5	48.2	37.9	34.4	31.0	27.5
72.5°	82.6	72.3	62.0	55.1	48.2	44.7	37.9	31.0	27.5	24.1	20.7
75°	55.1	51.6	44.7	37.9	34.4	31.0	27.5	24.1	20.7	17.2	17.2
77.5°	37.9	34.4	31.0	27.5	24.1	24.1	20.7	17.2	13.8	13.8	10.3
80°	24.1	20.7	20.7	17.2	17.2	17.2	13.8	10.3	10.3	10.3	6.9
82.5°	17.2	13.8	13.8	10.3	10.3	10.3	10.3	6.9	6.9	6.9	3.4
85°	10.3	6.9	6.9	6.9	6.9	6.9	6.9	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6
2.5°	2932.5	2963.5	2963.5	2991.0	2994.5	2987.6	2956.6	2956.6	2997.9	3022.0	2980.7
5°	2960.0	2991.0	2991.0	3018.6	3032.3	3022.0	2991.0	2994.5	3035.8	3063.3	3022.0
7.5°	2984.1	3015.1	3022.0	3053.0	3063.3	3053.0	3022.0	3028.9	3073.6	3097.7	3056.4
10°	2994.5	3025.4	3028.9	3063.3	3077.1	3063.3	3039.2	3042.6	3090.8	3108.0	3070.2
12.5°	3018.6	3049.5	3049.5	3087.4	3101.2	3090.8	3059.9	3066.7	3114.9	3132.1	3094.3
15°	3042.6	3073.6	3073.6	3114.9	3132.1	3118.4	3094.3	3097.7	3145.9	3163.1	3132.1
17.5°	3042.6	3070.2	3070.2	3114.9	3132.1	3121.8	3094.3	3097.7	3149.3	3163.1	3132.1
20°	2997.9	3028.9	3022.0	3066.7	3083.9	3073.6	3049.5	3049.5	3101.2	3114.9	3083.9
22.5°	2925.6	2953.2	2946.3	2987.6	3008.2	2994.5	2973.8	2970.4	3022.0	3035.8	3004.8
25°	2825.8	2853.3	2846.5	2887.8	2908.4	2891.2	2867.1	2870.5	2911.9	2932.5	2905.0
27.5°	2708.8	2726.0	2715.7	2757.0	2777.6	2760.4	2736.3	2739.8	2781.1	2794.8	2774.2
30°	2550.5	2564.2	2553.9	2588.3	2602.1	2591.8	2571.1	2571.1	2609.0	2626.2	2605.5
32.5°	2361.1	2371.5	2361.1	2388.7	2416.2	2395.6	2374.9	2374.9	2416.2	2430.0	2405.9
35°	2140.9	2151.2	2144.3	2171.8	2192.5	2165.0	2147.7	2140.9	2195.9	2189.1	2175.3
37.5°	1896.5	1903.4	1882.7	1930.9	1941.2	1910.3	1896.5	1889.6	1937.8	1934.4	1920.6
40°	1621.1	1628.0	1614.3	1648.7	1652.1	1628.0	1617.7	1607.4	1655.6	1652.1	1641.8
42.5°	1328.6	1332.0	1314.8	1342.3	1349.2	1325.1	1321.7	1307.9	1352.7	1345.8	1342.3
45°	1025.7	1025.7	1011.9	1032.6	1039.5	1018.8	1011.9	1008.5	1039.5	1039.5	1032.6
47.5°	743.5	733.1	715.9	746.9	750.3	736.6	733.1	722.8	753.8	753.8	746.9
50°	509.4	506.0	502.5	509.4	512.8	495.6	506.0	495.6	512.8	512.8	512.8
52.5°	340.7	337.3	330.4	337.3	337.3	327.0	327.0	323.5	337.3	337.3	330.4
55°	213.4	210.0	206.5	210.0	210.0	199.6	206.5	199.6	206.5	206.5	203.1
57.5°	130.8	123.9	123.9	120.5	120.5	113.6	117.0	117.0	117.0	117.0	117.0
60°	75.7	72.3	68.8	68.8	68.8	65.4	65.4	65.4	65.4	65.4	65.4
62.5°	48.2	48.2	44.7	44.7	44.7	44.7	44.7	41.3	44.7	44.7	44.7
65°	41.3	37.9	37.9	37.9	37.9	34.4	34.4	34.4	34.4	34.4	34.4
67.5°	34.4	31.0	31.0	31.0	31.0	27.5	27.5	27.5	27.5	27.5	27.5
70°	27.5	24.1	24.1	24.1	24.1	24.1	20.7	24.1	24.1	20.7	20.7
72.5°	20.7	20.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
75°	13.8	13.8	13.8	13.8	13.8	10.3	10.3	10.3	10.3	10.3	10.3
77.5°	10.3	10.3	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
80°	6.9	6.9	6.9	6.9	6.9	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: P212856

CATALOG NUMBER: LD6B60D010TE EU6B60709035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6
2.5°	3028.9	2994.5	2977.2	3011.7	3025.4	3008.2	2994.5	2970.4	2994.5	3008.2	3025.4
5°	3070.2	3039.2	3025.4	3049.5	3070.2	3053.0	3042.6	3018.6	3042.6	3053.0	3070.2
7.5°	3108.0	3077.1	3059.9	3083.9	3108.0	3083.9	3073.6	3053.0	3073.6	3083.9	3108.0
10°	3121.8	3087.4	3073.6	3094.3	3118.4	3094.3	3080.5	3066.7	3080.5	3094.3	3118.4
12.5°	3145.9	3111.5	3094.3	3111.5	3135.6	3111.5	3097.7	3087.4	3097.7	3111.5	3135.6
15°	3180.3	3149.3	3128.7	3145.9	3176.9	3149.3	3132.1	3128.7	3132.1	3149.3	3176.9
17.5°	3180.3	3156.2	3135.6	3149.3	3180.3	3159.7	3135.6	3142.5	3135.6	3159.7	3180.3
20°	3135.6	3111.5	3094.3	3094.3	3139.0	3111.5	3090.8	3101.2	3090.8	3111.5	3139.0
22.5°	3056.4	3035.8	3018.6	3015.1	3059.9	3035.8	3008.2	3028.9	3008.2	3035.8	3059.9
25°	2953.2	2932.5	2918.7	2911.9	2956.6	2929.1	2905.0	2925.6	2905.0	2929.1	2956.6
27.5°	2818.9	2801.7	2787.9	2777.6	2818.9	2794.8	2770.7	2791.4	2770.7	2794.8	2818.9
30°	2646.8	2636.5	2622.7	2609.0	2650.3	2626.2	2602.1	2629.6	2602.1	2626.2	2650.3
32.5°	2447.2	2440.3	2423.1	2409.3	2450.6	2423.1	2405.9	2426.5	2405.9	2423.1	2450.6
35°	2216.6	2206.3	2195.9	2171.8	2216.6	2192.5	2192.5	2199.4	2192.5	2192.5	2216.6
37.5°	1958.4	1951.6	1937.8	1917.1	1955.0	1937.8	1930.9	1951.6	1930.9	1937.8	1955.0
40°	1669.3	1665.9	1655.6	1631.5	1672.8	1655.6	1645.2	1672.8	1645.2	1655.6	1672.8
42.5°	1366.4	1359.6	1349.2	1345.8	1366.4	1352.7	1363.0	1363.0	1363.0	1352.7	1366.4
45°	1053.2	1046.3	1039.5	1025.7	1049.8	1042.9	1039.5	1046.3	1039.5	1042.9	1049.8
47.5°	764.1	757.2	750.3	740.0	764.1	753.8	753.8	760.7	753.8	753.8	764.1
50°	512.8	516.3	512.8	506.0	512.8	509.4	512.8	519.7	512.8	509.4	512.8
52.5°	340.7	340.7	333.9	330.4	337.3	333.9	344.2	337.3	344.2	333.9	337.3
55°	206.5	210.0	206.5	203.1	206.5	203.1	213.4	210.0	213.4	203.1	206.5
57.5°	117.0	117.0	120.5	117.0	123.9	120.5	120.5	120.5	120.5	120.5	123.9
60°	65.4	65.4	65.4	65.4	65.4	65.4	68.8	65.4	68.8	65.4	65.4
62.5°	44.7	44.7	44.7	41.3	44.7	41.3	44.7	44.7	44.7	41.3	44.7
65°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
67.5°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
70°	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
72.5°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
75°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
77.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
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: P212856

CATALOG NUMBER: LD6B60D010TE EU6B60709035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6
2.5°	3011.7	2977.2	2994.5	3028.9	2980.7	3022.0	2997.9	2956.6	2956.6	2987.6	2994.5
5°	3049.5	3025.4	3039.2	3070.2	3022.0	3063.3	3035.8	2994.5	2991.0	3022.0	3032.3
7.5°	3083.9	3059.9	3077.1	3108.0	3056.4	3097.7	3073.6	3028.9	3022.0	3053.0	3063.3
10°	3094.3	3073.6	3087.4	3121.8	3070.2	3108.0	3090.8	3042.6	3039.2	3063.3	3077.1
12.5°	3111.5	3094.3	3111.5	3145.9	3094.3	3132.1	3114.9	3066.7	3059.9	3090.8	3101.2
15°	3145.9	3128.7	3149.3	3180.3	3132.1	3163.1	3145.9	3097.7	3094.3	3118.4	3132.1
17.5°	3149.3	3135.6	3156.2	3180.3	3132.1	3163.1	3149.3	3097.7	3094.3	3121.8	3132.1
20°	3094.3	3094.3	3111.5	3135.6	3083.9	3114.9	3101.2	3049.5	3049.5	3073.6	3083.9
22.5°	3015.1	3018.6	3035.8	3056.4	3004.8	3035.8	3022.0	2970.4	2973.8	2994.5	3008.2
25°	2911.9	2918.7	2932.5	2953.2	2905.0	2932.5	2911.9	2870.5	2867.1	2891.2	2908.4
27.5°	2777.6	2787.9	2801.7	2818.9	2774.2	2794.8	2781.1	2739.8	2736.3	2760.4	2777.6
30°	2609.0	2622.7	2636.5	2646.8	2605.5	2626.2	2609.0	2571.1	2571.1	2591.8	2602.1
32.5°	2409.3	2423.1	2440.3	2447.2	2405.9	2430.0	2416.2	2374.9	2374.9	2395.6	2416.2
35°	2171.8	2195.9	2206.3	2216.6	2175.3	2189.1	2195.9	2140.9	2147.7	2165.0	2192.5
37.5°	1917.1	1937.8	1951.6	1958.4	1920.6	1934.4	1937.8	1889.6	1896.5	1910.3	1941.2
40°	1631.5	1655.6	1665.9	1669.3	1641.8	1652.1	1655.6	1607.4	1617.7	1628.0	1652.1
42.5°	1345.8	1349.2	1359.6	1366.4	1342.3	1345.8	1352.7	1307.9	1321.7	1325.1	1349.2
45°	1025.7	1039.5	1046.3	1053.2	1032.6	1039.5	1039.5	1008.5	1011.9	1018.8	1039.5
47.5°	740.0	750.3	757.2	764.1	746.9	753.8	753.8	722.8	733.1	736.6	750.3
50°	506.0	512.8	516.3	512.8	512.8	512.8	512.8	495.6	506.0	495.6	512.8
52.5°	330.4	333.9	340.7	340.7	330.4	337.3	337.3	323.5	327.0	327.0	337.3
55°	203.1	206.5	210.0	206.5	203.1	206.5	206.5	199.6	206.5	199.6	210.0
57.5°	117.0	120.5	117.0	117.0	117.0	117.0	117.0	117.0	117.0	113.6	120.5
60°	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	68.8
62.5°	41.3	44.7	44.7	44.7	44.7	44.7	44.7	41.3	44.7	44.7	44.7
65°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	37.9
67.5°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	31.0
70°	20.7	20.7	20.7	20.7	20.7	20.7	24.1	24.1	20.7	24.1	24.1
72.5°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
75°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	13.8
77.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
80°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.9
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: P212856

CATALOG NUMBER: LD6B60D010TE EU6B60709035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6
2.5°	2991.0	2963.5	2963.5	2932.5	2960.0	2963.5	2929.1	2918.7	2956.6	2915.3	2935.9
5°	3018.6	2991.0	2991.0	2960.0	2980.7	2980.7	2946.3	2929.1	2966.9	2925.6	2942.8
7.5°	3053.0	3022.0	3015.1	2984.1	3001.3	3004.8	2963.5	2939.4	2977.2	2929.1	2946.3
10°	3063.3	3028.9	3025.4	2994.5	3008.2	3011.7	2963.5	2942.8	2973.8	2922.2	2932.5
12.5°	3087.4	3049.5	3049.5	3018.6	3028.9	3028.9	2980.7	2953.2	2980.7	2929.1	2935.9
15°	3114.9	3073.6	3073.6	3042.6	3049.5	3053.0	2994.5	2966.9	2991.0	2935.9	2942.8
17.5°	3114.9	3070.2	3070.2	3042.6	3046.1	3042.6	2987.6	2956.6	2973.8	2915.3	2918.7
20°	3066.7	3022.0	3028.9	2997.9	3001.3	2997.9	2939.4	2908.4	2925.6	2863.7	2870.5
22.5°	2987.6	2946.3	2953.2	2925.6	2925.6	2922.2	2867.1	2836.1	2853.3	2791.4	2794.8
25°	2887.8	2846.5	2853.3	2825.8	2829.2	2829.2	2774.2	2739.8	2757.0	2701.9	2701.9
27.5°	2757.0	2715.7	2726.0	2708.8	2698.5	2701.9	2653.7	2619.3	2636.5	2584.9	2584.9
30°	2588.3	2553.9	2564.2	2550.5	2540.1	2540.1	2498.8	2464.4	2481.6	2436.9	2433.4
32.5°	2388.7	2361.1	2371.5	2361.1	2350.8	2361.1	2316.4	2282.0	2299.2	2264.8	2268.2
35°	2171.8	2144.3	2151.2	2140.9	2134.0	2140.9	2096.1	2072.0	2089.2	2054.8	2068.6
37.5°	1930.9	1882.7	1903.4	1896.5	1889.6	1893.0	1851.7	1834.5	1855.2	1834.5	1844.9
40°	1648.7	1614.3	1628.0	1621.1	1614.3	1631.5	1600.5	1576.4	1593.6	1579.8	1600.5
42.5°	1342.3	1314.8	1332.0	1328.6	1318.2	1338.9	1314.8	1297.6	1325.1	1318.2	1335.5
45°	1032.6	1011.9	1025.7	1025.7	1022.2	1039.5	1015.4	1018.8	1046.3	1056.7	1077.3
47.5°	746.9	715.9	733.1	743.5	743.5	760.7	746.9	760.7	791.6	812.3	829.5
50°	509.4	502.5	506.0	509.4	516.3	530.1	526.6	547.3	567.9	602.3	623.0
52.5°	337.3	330.4	337.3	340.7	347.6	361.4	361.4	385.5	409.6	440.6	464.7
55°	210.0	206.5	210.0	213.4	220.3	234.0	237.5	261.6	285.7	316.7	337.3
57.5°	120.5	123.9	123.9	130.8	134.2	144.6	154.9	168.7	196.2	227.2	247.8
60°	68.8	68.8	72.3	75.7	79.2	89.5	96.4	110.1	130.8	161.8	175.5
62.5°	44.7	44.7	48.2	48.2	51.6	58.5	65.4	79.2	96.4	120.5	134.2
65°	37.9	37.9	37.9	41.3	41.3	48.2	55.1	65.4	79.2	96.4	110.1
67.5°	31.0	31.0	31.0	34.4	34.4	37.9	44.7	51.6	62.0	75.7	86.0
70°	24.1	24.1	24.1	27.5	27.5	31.0	34.4	37.9	48.2	58.5	65.4
72.5°	17.2	17.2	20.7	20.7	20.7	24.1	27.5	31.0	37.9	44.7	48.2
75°	13.8	13.8	13.8	13.8	17.2	17.2	20.7	24.1	27.5	31.0	34.4
77.5°	6.9	6.9	10.3	10.3	10.3	13.8	13.8	17.2	20.7	24.1	24.1
80°	6.9	6.9	6.9	6.9	6.9	10.3	10.3	10.3	13.8	17.2	17.2
82.5°	3.4	3.4	3.4	3.4	3.4	6.9	6.9	6.9	10.3	10.3	10.3
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.9	6.9	6.9
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: P212856

CATALOG NUMBER: LD6B60D010TE EU6B60709035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6	2956.6
2.5°	2911.9	2922.2	2922.2	2911.9	2884.3	2908.4	2932.5	2908.4	2939.4	2884.3	2884.3
5°	2911.9	2918.7	2915.3	2901.5	2874.0	2894.6	2911.9	2887.8	2911.9	2860.2	2856.8
7.5°	2918.7	2911.9	2905.0	2887.8	2853.3	2867.1	2884.3	2856.8	2880.9	2825.8	2818.9
10°	2905.0	2894.6	2880.9	2856.8	2818.9	2829.2	2839.6	2815.5	2832.7	2777.6	2774.2
12.5°	2905.0	2887.8	2867.1	2839.6	2798.3	2805.2	2815.5	2784.5	2798.3	2746.6	2739.8
15°	2911.9	2880.9	2856.8	2825.8	2781.1	2784.5	2791.4	2757.0	2770.7	2715.7	2712.2
17.5°	2887.8	2853.3	2829.2	2791.4	2743.2	2746.6	2746.6	2712.2	2722.5	2667.5	2664.0
20°	2836.1	2794.8	2767.3	2732.9	2681.2	2681.2	2681.2	2646.8	2653.7	2605.5	2598.6
22.5°	2763.8	2719.1	2691.6	2657.2	2609.0	2605.5	2602.1	2574.5	2574.5	2529.8	2519.5
25°	2667.5	2626.2	2598.6	2567.7	2519.5	2512.6	2512.6	2488.5	2485.1	2443.8	2436.9
27.5°	2557.3	2509.1	2485.1	2457.5	2412.8	2405.9	2402.4	2388.7	2381.8	2337.1	2333.6
30°	2409.3	2368.0	2347.4	2323.3	2282.0	2275.1	2271.7	2257.9	2254.4	2209.7	2209.7
32.5°	2251.0	2199.4	2185.6	2161.5	2130.5	2127.1	2130.5	2113.3	2099.6	2068.6	2061.7
35°	2061.7	2010.1	1999.7	1989.4	1965.3	1958.4	1955.0	1951.6	1934.4	1913.7	1903.4
37.5°	1841.4	1796.7	1796.7	1793.2	1776.0	1776.0	1776.0	1769.1	1751.9	1745.0	1724.4
40°	1603.9	1569.5	1573.0	1576.4	1569.5	1573.0	1576.4	1569.5	1555.7	1548.9	1531.6
42.5°	1349.2	1332.0	1345.8	1356.1	1356.1	1366.4	1373.3	1373.3	1356.1	1352.7	1338.9
45°	1094.5	1091.1	1118.6	1139.3	1146.2	1163.4	1173.7	1166.8	1166.8	1166.8	1153.0
47.5°	857.0	870.8	894.9	936.2	950.0	970.6	977.5	987.8	984.4	987.8	977.5
50°	650.5	681.5	712.5	753.8	774.4	798.5	808.8	822.6	822.6	826.1	819.2
52.5°	492.2	516.3	567.9	595.4	619.5	643.6	657.4	671.2	674.6	674.6	667.7
55°	364.8	399.3	433.7	471.5	492.2	516.3	526.6	540.4	540.4	547.3	540.4
57.5°	265.0	299.4	337.3	364.8	388.9	406.1	416.5	426.8	433.7	433.7	430.2
60°	196.2	223.7	254.7	282.2	302.9	320.1	327.0	337.3	340.7	340.7	333.9
62.5°	148.0	175.5	203.1	227.2	240.9	254.7	261.6	268.5	268.5	268.5	265.0
65°	120.5	141.1	161.8	182.4	196.2	206.5	210.0	216.8	213.4	216.8	213.4
67.5°	96.4	110.1	127.4	141.1	151.4	158.3	161.8	168.7	165.2	168.7	165.2
70°	72.3	86.0	96.4	106.7	113.6	120.5	123.9	127.4	123.9	127.4	123.9
72.5°	55.1	62.0	72.3	82.6	86.0	89.5	92.9	92.9	92.9	96.4	92.9
75°	37.9	44.7	51.6	55.1	62.0	65.4	65.4	68.8	68.8	68.8	68.8
77.5°	27.5	31.0	34.4	37.9	41.3	44.7	44.7	48.2	48.2	48.2	48.2
80°	17.2	20.7	20.7	24.1	27.5	27.5	31.0	31.0	31.0	31.0	31.0
82.5°	10.3	13.8	13.8	17.2	17.2	17.2	20.7	20.7	20.7	20.7	20.7
85°	6.9	6.9	6.9	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.9	6.9	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: P212856

CATALOG NUMBER: LD6B60D010TE EU6B60709035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2956.6	2956.6	2956.6	2956.6
2.5°	2911.9	2894.6	2922.2	2880.9
5°	2880.9	2863.7	2898.1	2846.5
7.5°	2843.0	2825.8	2856.8	2805.2
10°	2794.8	2777.6	2805.2	2750.1
12.5°	2753.5	2736.3	2767.3	2715.7
15°	2722.5	2705.3	2732.9	2684.7
17.5°	2674.4	2653.7	2684.7	2633.1
20°	2605.5	2591.8	2615.8	2564.2
22.5°	2526.4	2512.6	2540.1	2488.5
25°	2443.8	2426.5	2454.1	2402.4
27.5°	2337.1	2323.3	2350.8	2299.2
30°	2209.7	2195.9	2223.5	2175.3
32.5°	2065.1	2051.4	2072.0	2030.7
35°	1899.9	1889.6	1910.3	1865.5
37.5°	1721.0	1710.6	1731.3	1686.5
40°	1528.2	1517.9	1535.1	1514.4
42.5°	1338.9	1328.6	1345.8	1328.6
45°	1153.0	1146.2	1163.4	1146.2
47.5°	980.9	974.1	991.3	974.1
50°	815.7	819.2	826.1	819.2
52.5°	667.7	667.7	678.1	667.7
55°	540.4	543.8	547.3	540.4
57.5°	430.2	430.2	433.7	430.2
60°	333.9	337.3	337.3	333.9
62.5°	265.0	265.0	265.0	265.0
65°	210.0	210.0	213.4	210.0
67.5°	165.2	161.8	165.2	161.8
70°	123.9	123.9	123.9	123.9
72.5°	96.4	96.4	92.9	92.9
75°	68.8	72.3	68.8	68.8
77.5°	48.2	48.2	48.2	48.2
80°	31.0	31.0	31.0	31.0
82.5°	20.7	20.7	20.7	20.7
85°	13.8	10.3	10.3	10.3
87.5°	6.9	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)