

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: P212854

Luminaire Tested: **LD6B60D010TE EU6B60709027 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212854  
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 EU6B60709027 6LBSWL1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4687.2 lumens  
Efficiency: N/A  
Efficacy: 75.0 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

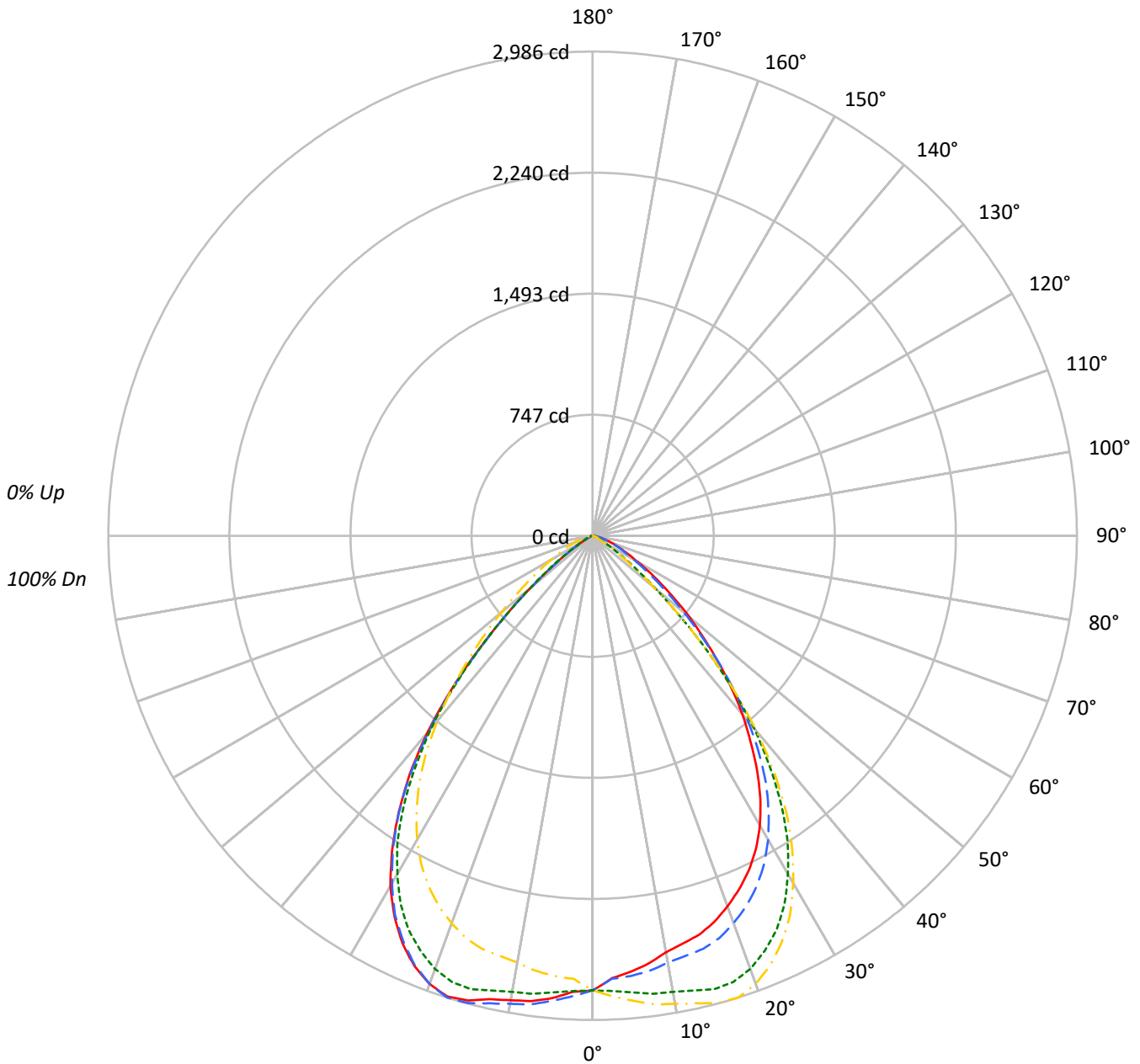
Input Watts (W): 62.48  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P212854

CATALOG NUMBER: LD6B60D010TE EU6B60709027 6LBSWLI1

### 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								
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°	153683	153683	153683	153683
5°	148525	155530	157506	155530
10°	145154	158965	161871	158965
15°	144473	164292	168366	164292
20°	141844	165833	171544	165833
25°	137790	162269	167798	162269
30°	130564	152460	157834	152460
35°	118380	135854	139568	135854
40°	102764	110707	113506	110707
45°	84257	76411	76915	76411
50°	66241	42864	42028	42864
55°	48973	21208	19029	21208
60°	34712	9308	6798	9308
65°	25826	5928	4229	5928
70°	18833	4712	3142	4712
75°	13831	3452	2076	3452
80°	9281	3094	1042	3094
85°	6164	2076	2076	2076



TEST NUMBER: P212854

CATALOG NUMBER: LD6B60D010TE EU6B60709027 6LBSWLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.4	5.7
10°-20°	794.9	17.0
20°-30°	1186.2	25.3
30°-40°	1218.7	26.0
40°-50°	789.2	16.8
50°-60°	293.5	6.3
60°-70°	96.3	2.1
70°-80°	34.0	0.7
80°-90°	6.1	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°	2249.4	48.0
0°-40°	3468.1	74.0
0°-60°	4550.8	97.1
0°-90°	4687.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4687.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2803	2803	2803	2803	2803	
5°	2699	2826	2862	2826	2699	255
15°	2546	2895	2967	2895	2546	716
25°	2278	2683	2774	2683	2278	1044
35°	1769	2030	2086	2030	1769	1098
45°	1087	986	992	986	1087	840
55°	512	222	199	222	512	467
65°	199	46	33	46	199	202
75°	65	16	10	16	65	72
85°	10	3	3	3	10	13
90°	0	0	0	0	0	



TEST NUMBER: P212854

CATALOG NUMBER: LD6B60D010TE EU6B60709027 6LBSWLI1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4
2.5°	2731.6	2770.8	2744.7	2761.0	2734.9	2734.9	2787.1	2757.8	2780.6	2757.8	2734.9
5°	2699.0	2748.0	2715.3	2731.6	2708.8	2712.1	2761.0	2738.2	2761.0	2744.7	2725.1
7.5°	2659.8	2708.8	2679.4	2695.7	2672.9	2679.4	2731.6	2708.8	2734.9	2718.6	2705.5
10°	2607.6	2659.8	2633.7	2650.1	2630.5	2633.7	2686.0	2669.6	2692.5	2682.7	2672.9
12.5°	2575.0	2623.9	2594.6	2610.9	2597.8	2604.4	2653.3	2640.3	2669.6	2659.8	2653.3
15°	2545.6	2591.3	2565.2	2581.5	2571.7	2575.0	2627.2	2614.2	2646.8	2640.3	2637.0
17.5°	2496.7	2545.6	2516.2	2535.8	2526.0	2529.3	2581.5	2571.7	2604.4	2604.4	2601.1
20°	2431.4	2480.3	2457.5	2470.6	2464.0	2470.6	2516.2	2509.7	2542.4	2542.4	2542.4
22.5°	2359.6	2408.5	2382.4	2395.5	2389.0	2398.8	2441.2	2441.2	2467.3	2470.6	2473.8
25°	2278.0	2327.0	2300.8	2317.2	2310.6	2317.2	2356.3	2359.6	2382.4	2382.4	2389.0
27.5°	2180.1	2229.0	2202.9	2216.0	2212.7	2216.0	2258.4	2264.9	2278.0	2281.3	2287.8
30°	2062.6	2108.3	2082.2	2095.2	2095.2	2095.2	2137.7	2140.9	2154.0	2157.3	2163.8
32.5°	1925.5	1964.7	1945.1	1958.2	1954.9	1961.4	1990.8	2003.9	2020.2	2016.9	2020.2
35°	1768.9	1811.3	1791.7	1801.5	1804.8	1814.6	1834.2	1850.5	1853.7	1857.0	1863.5
37.5°	1599.2	1641.6	1622.0	1631.8	1635.1	1654.7	1661.2	1677.5	1684.0	1684.0	1684.0
40°	1436.0	1455.6	1439.3	1449.0	1452.3	1468.6	1475.2	1488.2	1494.7	1491.5	1488.2
42.5°	1259.8	1276.1	1259.8	1269.5	1269.5	1282.6	1285.9	1302.2	1302.2	1295.7	1285.9
45°	1086.8	1103.1	1086.8	1093.3	1093.3	1106.4	1106.4	1106.4	1112.9	1103.1	1086.8
47.5°	923.6	939.9	923.6	930.1	926.9	936.7	933.4	936.7	926.9	920.3	900.8
50°	776.7	783.3	776.7	773.5	776.7	783.3	780.0	780.0	766.9	757.2	734.3
52.5°	633.1	642.9	633.1	633.1	633.1	639.7	639.7	636.4	623.4	610.3	587.5
55°	512.4	518.9	515.7	512.4	512.4	518.9	512.4	512.4	499.3	489.5	466.7
57.5°	408.0	411.2	408.0	408.0	408.0	411.2	411.2	404.7	394.9	385.1	368.8
60°	316.6	319.8	319.8	316.6	316.6	323.1	323.1	319.8	310.0	303.5	287.2
62.5°	251.3	251.3	251.3	251.3	251.3	254.6	254.6	254.6	248.0	241.5	228.5
65°	199.1	202.3	199.1	199.1	202.3	205.6	202.3	205.6	199.1	195.8	186.0
67.5°	153.4	156.7	153.4	156.7	156.7	159.9	156.7	159.9	153.4	150.1	143.6
70°	117.5	117.5	117.5	117.5	117.5	120.8	117.5	120.8	117.5	114.2	107.7
72.5°	88.1	88.1	91.4	91.4	88.1	91.4	88.1	88.1	88.1	84.9	81.6
75°	65.3	65.3	68.5	65.3	65.3	65.3	65.3	65.3	62.0	62.0	58.7
77.5°	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	42.4	42.4	39.2
80°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	26.1	26.1
82.5°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	16.3	16.3
85°	9.8	9.8	9.8	13.1	9.8	9.8	9.8	9.8	9.8	9.8	9.8
87.5°	3.3	3.3	3.3	6.5	3.3	3.3	6.5	6.5	3.3	3.3	3.3
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: P212854

CATALOG NUMBER: LD6B60D010TE EU6B60709027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4
2.5°	2761.0	2770.8	2770.8	2761.0	2783.9	2764.3	2803.4	2767.5	2777.3	2810.0	2806.7
5°	2751.2	2764.3	2767.5	2761.0	2790.4	2774.1	2813.2	2777.3	2793.7	2826.3	2826.3
7.5°	2738.2	2754.5	2761.0	2767.5	2793.7	2777.3	2823.0	2787.1	2810.0	2849.1	2845.9
10°	2708.8	2731.6	2744.7	2754.5	2780.6	2770.8	2819.8	2790.4	2810.0	2855.7	2852.4
12.5°	2692.5	2718.6	2738.2	2754.5	2783.9	2777.3	2826.3	2800.2	2826.3	2872.0	2872.0
15°	2679.4	2708.8	2731.6	2761.0	2790.4	2783.9	2836.1	2813.2	2839.3	2894.8	2891.6
17.5°	2646.8	2682.7	2705.5	2738.2	2767.5	2764.3	2819.8	2803.4	2832.8	2885.0	2888.3
20°	2591.3	2623.9	2650.1	2689.2	2721.9	2715.3	2774.1	2757.8	2787.1	2842.6	2845.9
22.5°	2519.5	2552.1	2578.3	2620.7	2650.1	2646.8	2705.5	2689.2	2718.6	2770.8	2774.1
25°	2434.7	2464.0	2490.1	2529.3	2561.9	2561.9	2614.2	2597.8	2630.5	2682.7	2682.7
27.5°	2330.2	2356.3	2379.2	2424.9	2451.0	2451.0	2499.9	2483.6	2516.2	2561.9	2558.7
30°	2202.9	2225.8	2245.4	2284.5	2307.4	2310.6	2353.1	2336.7	2369.4	2408.5	2408.5
32.5°	2049.6	2072.4	2085.5	2134.4	2150.7	2147.5	2180.1	2163.8	2196.4	2238.8	2229.0
35°	1886.4	1896.2	1906.0	1954.9	1961.4	1948.4	1981.0	1964.7	1987.5	2030.0	2023.4
37.5°	1700.3	1703.6	1703.6	1746.0	1749.3	1739.5	1759.1	1739.5	1755.8	1795.0	1791.7
40°	1494.7	1491.5	1488.2	1520.8	1517.6	1498.0	1511.1	1494.7	1517.6	1547.0	1530.6
42.5°	1285.9	1276.1	1263.0	1279.3	1266.3	1250.0	1256.5	1230.4	1246.7	1269.5	1250.0
45°	1080.3	1060.7	1034.6	1037.8	1021.5	1001.9	992.1	966.0	962.8	985.6	969.3
47.5°	887.7	848.5	825.7	812.6	786.5	770.2	750.6	721.3	708.2	721.3	704.9
50°	714.7	675.6	646.2	616.8	590.7	571.1	538.5	518.9	499.3	502.6	489.5
52.5°	564.6	538.5	489.5	466.7	440.6	417.7	388.4	365.5	342.7	342.7	329.6
55°	447.1	411.2	378.6	345.9	319.8	300.3	270.9	248.0	225.2	221.9	208.9
57.5°	345.9	319.8	283.9	251.3	235.0	215.4	186.0	159.9	146.9	137.1	127.3
60°	267.6	241.5	212.1	186.0	166.4	153.4	124.0	104.4	91.4	84.9	75.1
62.5°	215.4	192.6	166.4	140.3	127.3	114.2	91.4	75.1	62.0	55.5	49.0
65°	173.0	153.4	133.8	114.2	104.4	91.4	75.1	62.0	52.2	45.7	39.2
67.5°	133.8	120.8	104.4	91.4	81.6	71.8	58.7	49.0	42.4	35.9	32.6
70°	101.2	91.4	81.6	68.5	62.0	55.5	45.7	35.9	32.6	29.4	26.1
72.5°	78.3	68.5	58.7	52.2	45.7	42.4	35.9	29.4	26.1	22.8	19.6
75°	52.2	49.0	42.4	35.9	32.6	29.4	26.1	22.8	19.6	16.3	16.3
77.5°	35.9	32.6	29.4	26.1	22.8	22.8	19.6	16.3	13.1	13.1	9.8
80°	22.8	19.6	19.6	16.3	16.3	16.3	13.1	9.8	9.8	9.8	6.5
82.5°	16.3	13.1	13.1	9.8	9.8	9.8	9.8	6.5	6.5	6.5	3.3
85°	9.8	6.5	6.5	6.5	6.5	6.5	6.5	3.3	3.3	3.3	3.3
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	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: P212854

CATALOG NUMBER: LD6B60D010TE EU6B60709027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4
2.5°	2780.6	2810.0	2810.0	2836.1	2839.3	2832.8	2803.4	2803.4	2842.6	2865.5	2826.3
5°	2806.7	2836.1	2836.1	2862.2	2875.2	2865.5	2836.1	2839.3	2878.5	2904.6	2865.5
7.5°	2829.6	2858.9	2865.5	2894.8	2904.6	2894.8	2865.5	2872.0	2914.4	2937.3	2898.1
10°	2839.3	2868.7	2872.0	2904.6	2917.7	2904.6	2881.8	2885.0	2930.7	2947.0	2911.1
12.5°	2862.2	2891.6	2891.6	2927.5	2940.5	2930.7	2901.4	2907.9	2953.6	2969.9	2934.0
15°	2885.0	2914.4	2914.4	2953.6	2969.9	2956.8	2934.0	2937.3	2982.9	2999.3	2969.9
17.5°	2885.0	2911.1	2911.1	2953.6	2969.9	2960.1	2934.0	2937.3	2986.2	2999.3	2969.9
20°	2842.6	2872.0	2865.5	2907.9	2924.2	2914.4	2891.6	2891.6	2940.5	2953.6	2924.2
22.5°	2774.1	2800.2	2793.7	2832.8	2852.4	2839.3	2819.8	2816.5	2865.5	2878.5	2849.1
25°	2679.4	2705.5	2699.0	2738.2	2757.8	2741.4	2718.6	2721.9	2761.0	2780.6	2754.5
27.5°	2568.5	2584.8	2575.0	2614.2	2633.7	2617.4	2594.6	2597.8	2637.0	2650.1	2630.5
30°	2418.3	2431.4	2421.6	2454.2	2467.3	2457.5	2437.9	2437.9	2473.8	2490.1	2470.6
32.5°	2238.8	2248.6	2238.8	2264.9	2291.1	2271.5	2251.9	2251.9	2291.1	2304.1	2281.3
35°	2030.0	2039.8	2033.2	2059.3	2078.9	2052.8	2036.5	2030.0	2082.2	2075.7	2062.6
37.5°	1798.3	1804.8	1785.2	1830.9	1840.7	1811.3	1798.3	1791.7	1837.4	1834.2	1821.1
40°	1537.2	1543.7	1530.6	1563.3	1566.5	1543.7	1533.9	1524.1	1569.8	1566.5	1556.7
42.5°	1259.8	1263.0	1246.7	1272.8	1279.3	1256.5	1253.2	1240.2	1282.6	1276.1	1272.8
45°	972.6	972.6	959.5	979.1	985.6	966.0	959.5	956.2	985.6	985.6	979.1
47.5°	704.9	695.2	678.8	708.2	711.5	698.4	695.2	685.4	714.7	714.7	708.2
50°	483.0	479.8	476.5	483.0	486.3	470.0	479.8	470.0	486.3	486.3	486.3
52.5°	323.1	319.8	313.3	319.8	319.8	310.0	310.0	306.8	319.8	319.8	313.3
55°	202.3	199.1	195.8	199.1	199.1	189.3	195.8	189.3	195.8	195.8	192.6
57.5°	124.0	117.5	117.5	114.2	114.2	107.7	111.0	111.0	111.0	111.0	111.0
60°	71.8	68.5	65.3	65.3	65.3	62.0	62.0	62.0	62.0	62.0	62.0
62.5°	45.7	45.7	42.4	42.4	42.4	42.4	42.4	39.2	42.4	42.4	42.4
65°	39.2	35.9	35.9	35.9	35.9	32.6	32.6	32.6	32.6	32.6	32.6
67.5°	32.6	29.4	29.4	29.4	29.4	26.1	26.1	26.1	26.1	26.1	26.1
70°	26.1	22.8	22.8	22.8	22.8	22.8	19.6	22.8	22.8	19.6	19.6
72.5°	19.6	19.6	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
75°	13.1	13.1	13.1	13.1	13.1	9.8	9.8	9.8	9.8	9.8	9.8
77.5°	9.8	9.8	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
80°	6.5	6.5	6.5	6.5	6.5	3.3	3.3	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
85°	3.3	3.3	3.3	3.3	3.3	0.0	3.3	0.0	3.3	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: P212854

CATALOG NUMBER: LD6B60D010TE EU6B60709027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4
2.5°	2872.0	2839.3	2823.0	2855.7	2868.7	2852.4	2839.3	2816.5	2839.3	2852.4	2868.7
5°	2911.1	2881.8	2868.7	2891.6	2911.1	2894.8	2885.0	2862.2	2885.0	2894.8	2911.1
7.5°	2947.0	2917.7	2901.4	2924.2	2947.0	2924.2	2914.4	2894.8	2914.4	2924.2	2947.0
10°	2960.1	2927.5	2914.4	2934.0	2956.8	2934.0	2920.9	2907.9	2920.9	2934.0	2956.8
12.5°	2982.9	2950.3	2934.0	2950.3	2973.2	2950.3	2937.3	2927.5	2937.3	2950.3	2973.2
15°	3015.6	2986.2	2966.6	2982.9	3012.3	2986.2	2969.9	2966.6	2969.9	2986.2	3012.3
17.5°	3015.6	2992.7	2973.2	2986.2	3015.6	2996.0	2973.2	2979.7	2973.2	2996.0	3015.6
20°	2973.2	2950.3	2934.0	2934.0	2976.4	2950.3	2930.7	2940.5	2930.7	2950.3	2976.4
22.5°	2898.1	2878.5	2862.2	2858.9	2901.4	2878.5	2852.4	2872.0	2852.4	2878.5	2901.4
25°	2800.2	2780.6	2767.5	2761.0	2803.4	2777.3	2754.5	2774.1	2754.5	2777.3	2803.4
27.5°	2672.9	2656.6	2643.5	2633.7	2672.9	2650.1	2627.2	2646.8	2627.2	2650.1	2672.9
30°	2509.7	2499.9	2486.9	2473.8	2513.0	2490.1	2467.3	2493.4	2467.3	2490.1	2513.0
32.5°	2320.4	2313.9	2297.6	2284.5	2323.7	2297.6	2281.3	2300.8	2281.3	2297.6	2323.7
35°	2101.8	2092.0	2082.2	2059.3	2101.8	2078.9	2078.9	2085.5	2078.9	2078.9	2101.8
37.5°	1857.0	1850.5	1837.4	1817.8	1853.7	1837.4	1830.9	1850.5	1830.9	1837.4	1853.7
40°	1582.9	1579.6	1569.8	1547.0	1586.1	1569.8	1560.0	1586.1	1560.0	1569.8	1586.1
42.5°	1295.7	1289.1	1279.3	1276.1	1295.7	1282.6	1292.4	1292.4	1292.4	1282.6	1295.7
45°	998.7	992.1	985.6	972.6	995.4	988.9	985.6	992.1	985.6	988.9	995.4
47.5°	724.5	718.0	711.5	701.7	724.5	714.7	714.7	721.3	714.7	714.7	724.5
50°	486.3	489.5	486.3	479.8	486.3	483.0	486.3	492.8	486.3	483.0	486.3
52.5°	323.1	323.1	316.6	313.3	319.8	316.6	326.4	319.8	326.4	316.6	319.8
55°	195.8	199.1	195.8	192.6	195.8	192.6	202.3	199.1	202.3	192.6	195.8
57.5°	111.0	111.0	114.2	111.0	117.5	114.2	114.2	114.2	114.2	114.2	117.5
60°	62.0	62.0	62.0	62.0	62.0	62.0	65.3	62.0	65.3	62.0	62.0
62.5°	42.4	42.4	42.4	39.2	42.4	39.2	42.4	42.4	42.4	39.2	42.4
65°	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
67.5°	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
70°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
72.5°	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
75°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
77.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	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: P212854

CATALOG NUMBER: LD6B60D010TE EU6B60709027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4
2.5°	2855.7	2823.0	2839.3	2872.0	2826.3	2865.5	2842.6	2803.4	2803.4	2832.8	2839.3
5°	2891.6	2868.7	2881.8	2911.1	2865.5	2904.6	2878.5	2839.3	2836.1	2865.5	2875.2
7.5°	2924.2	2901.4	2917.7	2947.0	2898.1	2937.3	2914.4	2872.0	2865.5	2894.8	2904.6
10°	2934.0	2914.4	2927.5	2960.1	2911.1	2947.0	2930.7	2885.0	2881.8	2904.6	2917.7
12.5°	2950.3	2934.0	2950.3	2982.9	2934.0	2969.9	2953.6	2907.9	2901.4	2930.7	2940.5
15°	2982.9	2966.6	2986.2	3015.6	2969.9	2999.3	2982.9	2937.3	2934.0	2956.8	2969.9
17.5°	2986.2	2973.2	2992.7	3015.6	2969.9	2999.3	2986.2	2937.3	2934.0	2960.1	2969.9
20°	2934.0	2934.0	2950.3	2973.2	2924.2	2953.6	2940.5	2891.6	2891.6	2914.4	2924.2
22.5°	2858.9	2862.2	2878.5	2898.1	2849.1	2878.5	2865.5	2816.5	2819.8	2839.3	2852.4
25°	2761.0	2767.5	2780.6	2800.2	2754.5	2780.6	2761.0	2721.9	2718.6	2741.4	2757.8
27.5°	2633.7	2643.5	2656.6	2672.9	2630.5	2650.1	2637.0	2597.8	2594.6	2617.4	2633.7
30°	2473.8	2486.9	2499.9	2509.7	2470.6	2490.1	2473.8	2437.9	2437.9	2457.5	2467.3
32.5°	2284.5	2297.6	2313.9	2320.4	2281.3	2304.1	2291.1	2251.9	2251.9	2271.5	2291.1
35°	2059.3	2082.2	2092.0	2101.8	2062.6	2075.7	2082.2	2030.0	2036.5	2052.8	2078.9
37.5°	1817.8	1837.4	1850.5	1857.0	1821.1	1834.2	1837.4	1791.7	1798.3	1811.3	1840.7
40°	1547.0	1569.8	1579.6	1582.9	1556.7	1566.5	1569.8	1524.1	1533.9	1543.7	1566.5
42.5°	1276.1	1279.3	1289.1	1295.7	1272.8	1276.1	1282.6	1240.2	1253.2	1256.5	1279.3
45°	972.6	985.6	992.1	998.7	979.1	985.6	985.6	956.2	959.5	966.0	985.6
47.5°	701.7	711.5	718.0	724.5	708.2	714.7	714.7	685.4	695.2	698.4	711.5
50°	479.8	486.3	489.5	486.3	486.3	486.3	486.3	470.0	479.8	470.0	486.3
52.5°	313.3	316.6	323.1	323.1	313.3	319.8	319.8	306.8	310.0	310.0	319.8
55°	192.6	195.8	199.1	195.8	192.6	195.8	195.8	189.3	195.8	189.3	199.1
57.5°	111.0	114.2	111.0	111.0	111.0	111.0	111.0	111.0	111.0	107.7	114.2
60°	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	65.3
62.5°	39.2	42.4	42.4	42.4	42.4	42.4	42.4	39.2	42.4	42.4	42.4
65°	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	35.9
67.5°	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	29.4
70°	19.6	19.6	19.6	19.6	19.6	19.6	22.8	22.8	19.6	22.8	22.8
72.5°	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
75°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	13.1
77.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	6.5
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	0.0	3.3
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: P212854

CATALOG NUMBER: LD6B60D010TE EU6B60709027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4
2.5°	2836.1	2810.0	2810.0	2780.6	2806.7	2810.0	2777.3	2767.5	2803.4	2764.3	2783.9
5°	2862.2	2836.1	2836.1	2806.7	2826.3	2826.3	2793.7	2777.3	2813.2	2774.1	2790.4
7.5°	2894.8	2865.5	2858.9	2829.6	2845.9	2849.1	2810.0	2787.1	2823.0	2777.3	2793.7
10°	2904.6	2872.0	2868.7	2839.3	2852.4	2855.7	2810.0	2790.4	2819.8	2770.8	2780.6
12.5°	2927.5	2891.6	2891.6	2862.2	2872.0	2872.0	2826.3	2800.2	2826.3	2777.3	2783.9
15°	2953.6	2914.4	2914.4	2885.0	2891.6	2894.8	2839.3	2813.2	2836.1	2783.9	2790.4
17.5°	2953.6	2911.1	2911.1	2885.0	2888.3	2885.0	2832.8	2803.4	2819.8	2764.3	2767.5
20°	2907.9	2865.5	2872.0	2842.6	2845.9	2842.6	2787.1	2757.8	2774.1	2715.3	2721.9
22.5°	2832.8	2793.7	2800.2	2774.1	2774.1	2770.8	2718.6	2689.2	2705.5	2646.8	2650.1
25°	2738.2	2699.0	2705.5	2679.4	2682.7	2682.7	2630.5	2597.8	2614.2	2561.9	2561.9
27.5°	2614.2	2575.0	2584.8	2568.5	2558.7	2561.9	2516.2	2483.6	2499.9	2451.0	2451.0
30°	2454.2	2421.6	2431.4	2418.3	2408.5	2408.5	2369.4	2336.7	2353.1	2310.6	2307.4
32.5°	2264.9	2238.8	2248.6	2238.8	2229.0	2238.8	2196.4	2163.8	2180.1	2147.5	2150.7
35°	2059.3	2033.2	2039.8	2030.0	2023.4	2030.0	1987.5	1964.7	1981.0	1948.4	1961.4
37.5°	1830.9	1785.2	1804.8	1798.3	1791.7	1795.0	1755.8	1739.5	1759.1	1739.5	1749.3
40°	1563.3	1530.6	1543.7	1537.2	1530.6	1547.0	1517.6	1494.7	1511.1	1498.0	1517.6
42.5°	1272.8	1246.7	1263.0	1259.8	1250.0	1269.5	1246.7	1230.4	1256.5	1250.0	1266.3
45°	979.1	959.5	972.6	972.6	969.3	985.6	962.8	966.0	992.1	1001.9	1021.5
47.5°	708.2	678.8	695.2	704.9	704.9	721.3	708.2	721.3	750.6	770.2	786.5
50°	483.0	476.5	479.8	483.0	489.5	502.6	499.3	518.9	538.5	571.1	590.7
52.5°	319.8	313.3	319.8	323.1	329.6	342.7	342.7	365.5	388.4	417.7	440.6
55°	199.1	195.8	199.1	202.3	208.9	221.9	225.2	248.0	270.9	300.3	319.8
57.5°	114.2	117.5	117.5	124.0	127.3	137.1	146.9	159.9	186.0	215.4	235.0
60°	65.3	65.3	68.5	71.8	75.1	84.9	91.4	104.4	124.0	153.4	166.4
62.5°	42.4	42.4	45.7	45.7	49.0	55.5	62.0	75.1	91.4	114.2	127.3
65°	35.9	35.9	35.9	39.2	39.2	45.7	52.2	62.0	75.1	91.4	104.4
67.5°	29.4	29.4	29.4	32.6	32.6	35.9	42.4	49.0	58.7	71.8	81.6
70°	22.8	22.8	22.8	26.1	26.1	29.4	32.6	35.9	45.7	55.5	62.0
72.5°	16.3	16.3	19.6	19.6	19.6	22.8	26.1	29.4	35.9	42.4	45.7
75°	13.1	13.1	13.1	13.1	16.3	16.3	19.6	22.8	26.1	29.4	32.6
77.5°	6.5	6.5	9.8	9.8	9.8	13.1	13.1	16.3	19.6	22.8	22.8
80°	6.5	6.5	6.5	6.5	6.5	9.8	9.8	9.8	13.1	16.3	16.3
82.5°	3.3	3.3	3.3	3.3	3.3	6.5	6.5	6.5	9.8	9.8	9.8
85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	6.5	6.5	6.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3
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: P212854

CATALOG NUMBER: LD6B60D010TE EU6B60709027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4	2803.4
2.5°	2761.0	2770.8	2770.8	2761.0	2734.9	2757.8	2780.6	2757.8	2787.1	2734.9	2734.9
5°	2761.0	2767.5	2764.3	2751.2	2725.1	2744.7	2761.0	2738.2	2761.0	2712.1	2708.8
7.5°	2767.5	2761.0	2754.5	2738.2	2705.5	2718.6	2734.9	2708.8	2731.6	2679.4	2672.9
10°	2754.5	2744.7	2731.6	2708.8	2672.9	2682.7	2692.5	2669.6	2686.0	2633.7	2630.5
12.5°	2754.5	2738.2	2718.6	2692.5	2653.3	2659.8	2669.6	2640.3	2653.3	2604.4	2597.8
15°	2761.0	2731.6	2708.8	2679.4	2637.0	2640.3	2646.8	2614.2	2627.2	2575.0	2571.7
17.5°	2738.2	2705.5	2682.7	2646.8	2601.1	2604.4	2604.4	2571.7	2581.5	2529.3	2526.0
20°	2689.2	2650.1	2623.9	2591.3	2542.4	2542.4	2542.4	2509.7	2516.2	2470.6	2464.0
22.5°	2620.7	2578.3	2552.1	2519.5	2473.8	2470.6	2467.3	2441.2	2441.2	2398.8	2389.0
25°	2529.3	2490.1	2464.0	2434.7	2389.0	2382.4	2382.4	2359.6	2356.3	2317.2	2310.6
27.5°	2424.9	2379.2	2356.3	2330.2	2287.8	2281.3	2278.0	2264.9	2258.4	2216.0	2212.7
30°	2284.5	2245.4	2225.8	2202.9	2163.8	2157.3	2154.0	2140.9	2137.7	2095.2	2095.2
32.5°	2134.4	2085.5	2072.4	2049.6	2020.2	2016.9	2020.2	2003.9	1990.8	1961.4	1954.9
35°	1954.9	1906.0	1896.2	1886.4	1863.5	1857.0	1853.7	1850.5	1834.2	1814.6	1804.8
37.5°	1746.0	1703.6	1703.6	1700.3	1684.0	1684.0	1684.0	1677.5	1661.2	1654.7	1635.1
40°	1520.8	1488.2	1491.5	1494.7	1488.2	1491.5	1494.7	1488.2	1475.2	1468.6	1452.3
42.5°	1279.3	1263.0	1276.1	1285.9	1285.9	1295.7	1302.2	1302.2	1285.9	1282.6	1269.5
45°	1037.8	1034.6	1060.7	1080.3	1086.8	1103.1	1112.9	1106.4	1106.4	1106.4	1093.3
47.5°	812.6	825.7	848.5	887.7	900.8	920.3	926.9	936.7	933.4	936.7	926.9
50°	616.8	646.2	675.6	714.7	734.3	757.2	766.9	780.0	780.0	783.3	776.7
52.5°	466.7	489.5	538.5	564.6	587.5	610.3	623.4	636.4	639.7	639.7	633.1
55°	345.9	378.6	411.2	447.1	466.7	489.5	499.3	512.4	512.4	518.9	512.4
57.5°	251.3	283.9	319.8	345.9	368.8	385.1	394.9	404.7	411.2	411.2	408.0
60°	186.0	212.1	241.5	267.6	287.2	303.5	310.0	319.8	323.1	323.1	316.6
62.5°	140.3	166.4	192.6	215.4	228.5	241.5	248.0	254.6	254.6	254.6	251.3
65°	114.2	133.8	153.4	173.0	186.0	195.8	199.1	205.6	202.3	205.6	202.3
67.5°	91.4	104.4	120.8	133.8	143.6	150.1	153.4	159.9	156.7	159.9	156.7
70°	68.5	81.6	91.4	101.2	107.7	114.2	117.5	120.8	117.5	120.8	117.5
72.5°	52.2	58.7	68.5	78.3	81.6	84.9	88.1	88.1	88.1	91.4	88.1
75°	35.9	42.4	49.0	52.2	58.7	62.0	62.0	65.3	65.3	65.3	65.3
77.5°	26.1	29.4	32.6	35.9	39.2	42.4	42.4	45.7	45.7	45.7	45.7
80°	16.3	19.6	19.6	22.8	26.1	26.1	29.4	29.4	29.4	29.4	29.4
82.5°	9.8	13.1	13.1	16.3	16.3	16.3	19.6	19.6	19.6	19.6	19.6
85°	6.5	6.5	6.5	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	6.5	6.5	3.3	3.3
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: P212854

CATALOG NUMBER: LD6B60D010TE EU6B60709027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	2803.4	2803.4	2803.4	2803.4
2.5°	2761.0	2744.7	2770.8	2731.6
5°	2731.6	2715.3	2748.0	2699.0
7.5°	2695.7	2679.4	2708.8	2659.8
10°	2650.1	2633.7	2659.8	2607.6
12.5°	2610.9	2594.6	2623.9	2575.0
15°	2581.5	2565.2	2591.3	2545.6
17.5°	2535.8	2516.2	2545.6	2496.7
20°	2470.6	2457.5	2480.3	2431.4
22.5°	2395.5	2382.4	2408.5	2359.6
25°	2317.2	2300.8	2327.0	2278.0
27.5°	2216.0	2202.9	2229.0	2180.1
30°	2095.2	2082.2	2108.3	2062.6
32.5°	1958.2	1945.1	1964.7	1925.5
35°	1801.5	1791.7	1811.3	1768.9
37.5°	1631.8	1622.0	1641.6	1599.2
40°	1449.0	1439.3	1455.6	1436.0
42.5°	1269.5	1259.8	1276.1	1259.8
45°	1093.3	1086.8	1103.1	1086.8
47.5°	930.1	923.6	939.9	923.6
50°	773.5	776.7	783.3	776.7
52.5°	633.1	633.1	642.9	633.1
55°	512.4	515.7	518.9	512.4
57.5°	408.0	408.0	411.2	408.0
60°	316.6	319.8	319.8	316.6
62.5°	251.3	251.3	251.3	251.3
65°	199.1	199.1	202.3	199.1
67.5°	156.7	153.4	156.7	153.4
70°	117.5	117.5	117.5	117.5
72.5°	91.4	91.4	88.1	88.1
75°	65.3	68.5	65.3	65.3
77.5°	45.7	45.7	45.7	45.7
80°	29.4	29.4	29.4	29.4
82.5°	19.6	19.6	19.6	19.6
85°	13.1	9.8	9.8	9.8
87.5°	6.5	3.3	3.3	3.3
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)