

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: P212873

Luminaire Tested: **LD6B70D010TE EU6B60709730 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212873  
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: LD6B70D010TE EU6B60709730 6LBSWL1  
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: 5055.7 lumens  
Efficiency: N/A  
Efficacy: 63.6 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

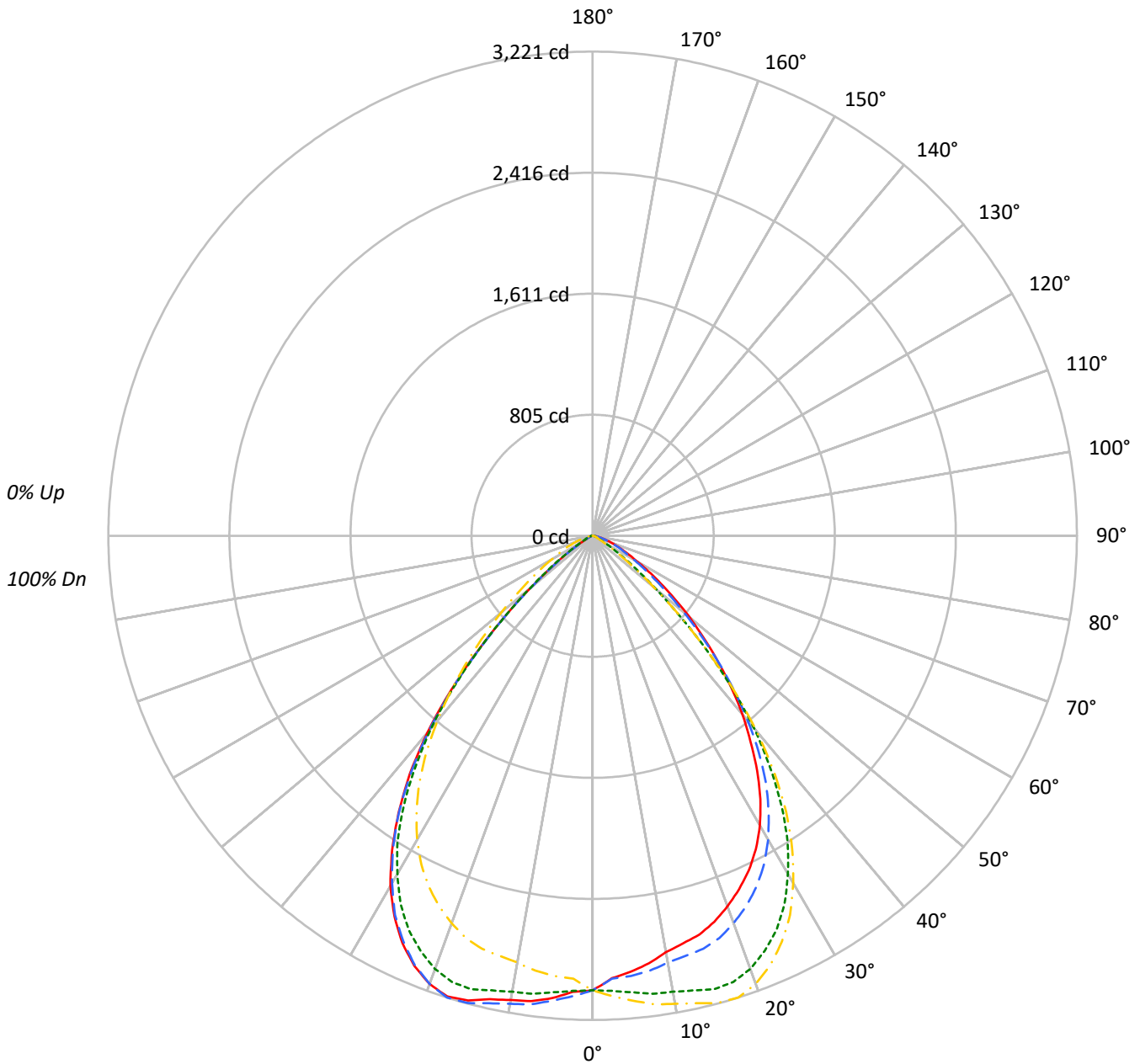
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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					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°	165771	165771	165771	165771
5°	160202	167758	169893	167758
10°	156571	171462	174596	171462
15°	155835	177214	181607	177214
20°	152998	178871	185032	178871
25°	148624	175026	180990	175026
30°	140832	164449	170248	164449
35°	127689	146535	150537	146535
40°	110843	119409	122429	119409
45°	90878	82419	82970	82419
50°	71452	46233	45338	46233
55°	52825	22881	20520	22881
60°	37442	10032	7335	10032
65°	27850	6395	4566	6395
70°	20308	5081	3382	5081
75°	14911	3728	2245	3728
80°	10008	3346	1105	3346
85°	6667	2201	2201	2201



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	289.5	5.7
10°-20°	857.4	17.0
20°-30°	1279.5	25.3
30°-40°	1314.5	26.0
40°-50°	851.3	16.8
50°-60°	316.5	6.3
60°-70°	103.9	2.1
70°-80°	36.6	0.7
80°-90°	6.6	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°	2426.3	48.0
0°-40°	3740.8	74.0
0°-60°	4908.6	97.1
0°-90°	5055.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5055.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3024	3024	3024	3024	3024	
5°	2911	3048	3087	3048	2911	275
15°	2746	3122	3200	3122	2746	772
25°	2457	2894	2992	2894	2457	1126
35°	1908	2190	2249	2190	1908	1185
45°	1172	1063	1070	1063	1172	906
55°	553	239	215	239	553	504
65°	215	49	35	49	215	218
75°	70	18	11	18	70	77
85°	11	4	4	4	11	14
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9
2.5°	2946.4	2988.7	2960.5	2978.1	2950.0	2950.0	3006.3	2974.6	2999.2	2974.6	2950.0
5°	2911.2	2964.0	2928.8	2946.4	2921.8	2925.3	2978.1	2953.5	2978.1	2960.5	2939.4
7.5°	2869.0	2921.8	2890.1	2907.7	2883.1	2890.1	2946.4	2921.8	2950.0	2932.4	2918.3
10°	2812.7	2869.0	2840.8	2858.4	2837.3	2840.8	2897.2	2879.6	2904.2	2893.6	2883.1
12.5°	2777.5	2830.3	2798.6	2816.2	2802.1	2809.2	2862.0	2847.9	2879.6	2869.0	2862.0
15°	2745.8	2795.1	2766.9	2784.5	2774.0	2777.5	2833.8	2819.7	2854.9	2847.9	2844.4
17.5°	2693.0	2745.8	2714.1	2735.2	2724.7	2728.2	2784.5	2774.0	2809.2	2809.2	2805.6
20°	2622.6	2675.4	2650.7	2664.8	2657.8	2664.8	2714.1	2707.1	2742.3	2742.3	2742.3
22.5°	2545.1	2597.9	2569.8	2583.9	2576.8	2587.4	2633.1	2633.1	2661.3	2664.8	2668.3
25°	2457.1	2509.9	2481.8	2499.4	2492.3	2499.4	2541.6	2545.1	2569.8	2569.8	2576.8
27.5°	2351.5	2404.3	2376.2	2390.2	2386.7	2390.2	2436.0	2443.0	2457.1	2460.6	2467.7
30°	2224.8	2274.1	2245.9	2260.0	2260.0	2260.0	2305.8	2309.3	2323.4	2326.9	2333.9
32.5°	2076.9	2119.2	2098.1	2112.1	2108.6	2115.7	2147.3	2161.4	2179.0	2175.5	2179.0
35°	1908.0	1953.7	1932.6	1943.2	1946.7	1957.3	1978.4	1996.0	1999.5	2003.0	2010.1
37.5°	1724.9	1770.7	1749.6	1760.1	1763.6	1784.8	1791.8	1809.4	1816.4	1816.4	1816.4
40°	1548.9	1570.0	1552.4	1563.0	1566.5	1584.1	1591.1	1605.2	1612.3	1608.8	1605.2
42.5°	1358.8	1376.4	1358.8	1369.4	1369.4	1383.5	1387.0	1404.6	1404.6	1397.5	1387.0
45°	1172.2	1189.8	1172.2	1179.3	1179.3	1193.4	1193.4	1193.4	1200.4	1189.8	1172.2
47.5°	996.2	1013.8	996.2	1003.3	999.7	1010.3	1006.8	1010.3	999.7	992.7	971.6
50°	837.8	844.9	837.8	834.3	837.8	844.9	841.3	841.3	827.3	816.7	792.1
52.5°	682.9	693.5	682.9	682.9	682.9	690.0	690.0	686.4	672.4	658.3	633.6
55°	552.7	559.7	556.2	552.7	552.7	559.7	552.7	552.7	538.6	528.0	503.4
57.5°	440.0	443.6	440.0	440.0	440.0	443.6	443.6	436.5	425.9	415.4	397.8
60°	341.5	345.0	345.0	341.5	341.5	348.5	348.5	345.0	334.4	327.4	309.8
62.5°	271.1	271.1	271.1	271.1	271.1	274.6	274.6	274.6	267.5	260.5	246.4
65°	214.7	218.3	214.7	214.7	218.3	221.8	218.3	221.8	214.7	211.2	200.7
67.5°	165.5	169.0	165.5	169.0	169.0	172.5	169.0	172.5	165.5	161.9	154.9
70°	126.7	126.7	126.7	126.7	126.7	130.2	126.7	130.2	126.7	123.2	116.2
72.5°	95.0	95.0	98.6	98.6	95.0	98.6	95.0	95.0	95.0	91.5	88.0
75°	70.4	70.4	73.9	70.4	70.4	70.4	70.4	70.4	66.9	66.9	63.4
77.5°	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	45.8	45.8	42.2
80°	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	28.2	28.2
82.5°	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	17.6	17.6
85°	10.6	10.6	10.6	14.1	10.6	10.6	10.6	10.6	10.6	10.6	10.6
87.5°	3.5	3.5	3.5	7.0	3.5	3.5	7.0	7.0	3.5	3.5	3.5
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°	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9
2.5°	2978.1	2988.7	2988.7	2978.1	3002.8	2981.6	3023.9	2985.2	2995.7	3030.9	3027.4
5°	2967.6	2981.6	2985.2	2978.1	3009.8	2992.2	3034.4	2995.7	3013.3	3048.5	3048.5
7.5°	2953.5	2971.1	2978.1	2985.2	3013.3	2995.7	3045.0	3006.3	3030.9	3073.2	3069.7
10°	2921.8	2946.4	2960.5	2971.1	2999.2	2988.7	3041.5	3009.8	3030.9	3080.2	3076.7
12.5°	2904.2	2932.4	2953.5	2971.1	3002.8	2995.7	3048.5	3020.4	3048.5	3097.8	3097.8
15°	2890.1	2921.8	2946.4	2978.1	3009.8	3002.8	3059.1	3034.4	3062.6	3122.5	3118.9
17.5°	2854.9	2893.6	2918.3	2953.5	2985.2	2981.6	3041.5	3023.9	3055.6	3111.9	3115.4
20°	2795.1	2830.3	2858.4	2900.7	2935.9	2928.8	2992.2	2974.6	3006.3	3066.1	3069.7
22.5°	2717.6	2752.8	2781.0	2826.8	2858.4	2854.9	2918.3	2900.7	2932.4	2988.7	2992.2
25°	2626.1	2657.8	2685.9	2728.2	2763.4	2763.4	2819.7	2802.1	2837.3	2893.6	2893.6
27.5°	2513.5	2541.6	2566.3	2615.5	2643.7	2643.7	2696.5	2678.9	2714.1	2763.4	2759.9
30°	2376.2	2400.8	2421.9	2464.2	2488.8	2492.3	2538.1	2520.5	2555.7	2597.9	2597.9
32.5°	2210.7	2235.4	2249.4	2302.2	2319.8	2316.3	2351.5	2333.9	2369.1	2414.9	2404.3
35°	2034.7	2045.3	2055.8	2108.6	2115.7	2101.6	2136.8	2119.2	2143.8	2189.6	2182.6
37.5°	1834.0	1837.6	1837.6	1883.3	1886.9	1876.3	1897.4	1876.3	1893.9	1936.1	1932.6
40°	1612.3	1608.8	1605.2	1640.4	1636.9	1615.8	1629.9	1612.3	1636.9	1668.6	1651.0
42.5°	1387.0	1376.4	1362.3	1379.9	1365.9	1348.3	1355.3	1327.1	1344.7	1369.4	1348.3
45°	1165.2	1144.1	1115.9	1119.4	1101.8	1080.7	1070.2	1042.0	1038.5	1063.1	1045.5
47.5°	957.5	915.3	890.6	876.5	848.4	830.8	809.7	778.0	763.9	778.0	760.4
50°	770.9	728.7	697.0	665.3	637.2	616.0	580.8	559.7	538.6	542.1	528.0
52.5°	609.0	580.8	528.0	503.4	475.2	450.6	418.9	394.3	369.6	369.6	355.5
55°	482.3	443.6	408.3	373.1	345.0	323.9	292.2	267.5	242.9	239.4	225.3
57.5°	373.1	345.0	306.3	271.1	253.5	232.3	200.7	172.5	158.4	147.9	137.3
60°	288.7	260.5	228.8	200.7	179.5	165.5	133.8	112.6	98.6	91.5	81.0
62.5°	232.3	207.7	179.5	151.4	137.3	123.2	98.6	81.0	66.9	59.8	52.8
65°	186.6	165.5	144.3	123.2	112.6	98.6	81.0	66.9	56.3	49.3	42.2
67.5°	144.3	130.2	112.6	98.6	88.0	77.4	63.4	52.8	45.8	38.7	35.2
70°	109.1	98.6	88.0	73.9	66.9	59.8	49.3	38.7	35.2	31.7	28.2
72.5°	84.5	73.9	63.4	56.3	49.3	45.8	38.7	31.7	28.2	24.6	21.1
75°	56.3	52.8	45.8	38.7	35.2	31.7	28.2	24.6	21.1	17.6	17.6
77.5°	38.7	35.2	31.7	28.2	24.6	24.6	21.1	17.6	14.1	14.1	10.6
80°	24.6	21.1	21.1	17.6	17.6	17.6	14.1	10.6	10.6	10.6	7.0
82.5°	17.6	14.1	14.1	10.6	10.6	10.6	10.6	7.0	7.0	7.0	3.5
85°	10.6	7.0	7.0	7.0	7.0	7.0	7.0	3.5	3.5	3.5	3.5
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	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°	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9
2.5°	2999.2	3030.9	3030.9	3059.1	3062.6	3055.6	3023.9	3023.9	3066.1	3090.8	3048.5
5°	3027.4	3059.1	3059.1	3087.3	3101.3	3090.8	3059.1	3062.6	3104.9	3133.0	3090.8
7.5°	3052.1	3083.7	3090.8	3122.5	3133.0	3122.5	3090.8	3097.8	3143.6	3168.2	3126.0
10°	3062.6	3094.3	3097.8	3133.0	3147.1	3133.0	3108.4	3111.9	3161.2	3178.8	3140.1
12.5°	3087.3	3118.9	3118.9	3157.7	3171.7	3161.2	3129.5	3136.5	3185.8	3203.4	3164.7
15°	3111.9	3143.6	3143.6	3185.8	3203.4	3189.3	3164.7	3168.2	3217.5	3235.1	3203.4
17.5°	3111.9	3140.1	3140.1	3185.8	3203.4	3192.9	3164.7	3168.2	3221.0	3235.1	3203.4
20°	3066.1	3097.8	3090.8	3136.5	3154.1	3143.6	3118.9	3118.9	3171.7	3185.8	3154.1
22.5°	2992.2	3020.4	3013.3	3055.6	3076.7	3062.6	3041.5	3038.0	3090.8	3104.9	3073.2
25°	2890.1	2918.3	2911.2	2953.5	2974.6	2957.0	2932.4	2935.9	2978.1	2999.2	2971.1
27.5°	2770.4	2788.0	2777.5	2819.7	2840.8	2823.2	2798.6	2802.1	2844.4	2858.4	2837.3
30°	2608.5	2622.6	2612.0	2647.2	2661.3	2650.7	2629.6	2629.6	2668.3	2685.9	2664.8
32.5°	2414.9	2425.4	2414.9	2443.0	2471.2	2450.1	2429.0	2429.0	2471.2	2485.3	2460.6
35°	2189.6	2200.2	2193.1	2221.3	2242.4	2214.2	2196.6	2189.6	2245.9	2238.9	2224.8
37.5°	1939.7	1946.7	1925.6	1974.9	1985.4	1953.7	1939.7	1932.6	1981.9	1978.4	1964.3
40°	1658.0	1665.1	1651.0	1686.2	1689.7	1665.1	1654.5	1644.0	1693.2	1689.7	1679.2
42.5°	1358.8	1362.3	1344.7	1372.9	1379.9	1355.3	1351.8	1337.7	1383.5	1376.4	1372.9
45°	1049.0	1049.0	1035.0	1056.1	1063.1	1042.0	1035.0	1031.4	1063.1	1063.1	1056.1
47.5°	760.4	749.8	732.2	763.9	767.4	753.3	749.8	739.3	770.9	770.9	763.9
50°	521.0	517.5	514.0	521.0	524.5	506.9	517.5	506.9	524.5	524.5	524.5
52.5°	348.5	345.0	337.9	345.0	345.0	334.4	334.4	330.9	345.0	345.0	337.9
55°	218.3	214.7	211.2	214.7	214.7	204.2	211.2	204.2	211.2	211.2	207.7
57.5°	133.8	126.7	126.7	123.2	123.2	116.2	119.7	119.7	119.7	119.7	119.7
60°	77.4	73.9	70.4	70.4	70.4	66.9	66.9	66.9	66.9	66.9	66.9
62.5°	49.3	49.3	45.8	45.8	45.8	45.8	45.8	42.2	45.8	45.8	45.8
65°	42.2	38.7	38.7	38.7	38.7	35.2	35.2	35.2	35.2	35.2	35.2
67.5°	35.2	31.7	31.7	31.7	31.7	28.2	28.2	28.2	28.2	28.2	28.2
70°	28.2	24.6	24.6	24.6	24.6	24.6	21.1	24.6	24.6	21.1	21.1
72.5°	21.1	21.1	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
75°	14.1	14.1	14.1	14.1	14.1	10.6	10.6	10.6	10.6	10.6	10.6
77.5°	10.6	10.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
80°	7.0	7.0	7.0	7.0	7.0	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	3.5	3.5	3.5	3.5	3.5	0.0	3.5	0.0	3.5	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: P212873

CATALOG NUMBER: LD6B70D010TE EU6B60709730 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9
2.5°	3097.8	3062.6	3045.0	3080.2	3094.3	3076.7	3062.6	3038.0	3062.6	3076.7	3094.3
5°	3140.1	3108.4	3094.3	3118.9	3140.1	3122.5	3111.9	3087.3	3111.9	3122.5	3140.1
7.5°	3178.8	3147.1	3129.5	3154.1	3178.8	3154.1	3143.6	3122.5	3143.6	3154.1	3178.8
10°	3192.9	3157.7	3143.6	3164.7	3189.3	3164.7	3150.6	3136.5	3150.6	3164.7	3189.3
12.5°	3217.5	3182.3	3164.7	3182.3	3206.9	3182.3	3168.2	3157.7	3168.2	3182.3	3206.9
15°	3252.7	3221.0	3199.9	3217.5	3249.2	3221.0	3203.4	3199.9	3203.4	3221.0	3249.2
17.5°	3252.7	3228.1	3206.9	3221.0	3252.7	3231.6	3206.9	3214.0	3206.9	3231.6	3252.7
20°	3206.9	3182.3	3164.7	3164.7	3210.5	3182.3	3161.2	3171.7	3161.2	3182.3	3210.5
22.5°	3126.0	3104.9	3087.3	3083.7	3129.5	3104.9	3076.7	3097.8	3076.7	3104.9	3129.5
25°	3020.4	2999.2	2985.2	2978.1	3023.9	2995.7	2971.1	2992.2	2971.1	2995.7	3023.9
27.5°	2883.1	2865.5	2851.4	2840.8	2883.1	2858.4	2833.8	2854.9	2833.8	2858.4	2883.1
30°	2707.1	2696.5	2682.4	2668.3	2710.6	2685.9	2661.3	2689.5	2661.3	2685.9	2710.6
32.5°	2502.9	2495.9	2478.3	2464.2	2506.4	2478.3	2460.6	2481.8	2460.6	2478.3	2506.4
35°	2267.0	2256.5	2245.9	2221.3	2267.0	2242.4	2242.4	2249.4	2242.4	2242.4	2267.0
37.5°	2003.0	1996.0	1981.9	1960.8	1999.5	1981.9	1974.9	1996.0	1974.9	1981.9	1999.5
40°	1707.3	1703.8	1693.2	1668.6	1710.8	1693.2	1682.7	1710.8	1682.7	1693.2	1710.8
42.5°	1397.5	1390.5	1379.9	1376.4	1397.5	1383.5	1394.0	1394.0	1394.0	1383.5	1397.5
45°	1077.2	1070.2	1063.1	1049.0	1073.7	1066.6	1063.1	1070.2	1063.1	1066.6	1073.7
47.5°	781.5	774.5	767.4	756.9	781.5	770.9	770.9	778.0	770.9	770.9	781.5
50°	524.5	528.0	524.5	517.5	524.5	521.0	524.5	531.6	524.5	521.0	524.5
52.5°	348.5	348.5	341.5	337.9	345.0	341.5	352.0	345.0	352.0	341.5	345.0
55°	211.2	214.7	211.2	207.7	211.2	207.7	218.3	214.7	218.3	207.7	211.2
57.5°	119.7	119.7	123.2	119.7	126.7	123.2	123.2	123.2	123.2	123.2	126.7
60°	66.9	66.9	66.9	66.9	66.9	66.9	70.4	66.9	70.4	66.9	66.9
62.5°	45.8	45.8	45.8	42.2	45.8	42.2	45.8	45.8	45.8	42.2	45.8
65°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
67.5°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
70°	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
72.5°	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
75°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
77.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	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: P212873

CATALOG NUMBER: LD6B70D010TE EU6B60709730 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9
2.5°	3080.2	3045.0	3062.6	3097.8	3048.5	3090.8	3066.1	3023.9	3023.9	3055.6	3062.6
5°	3118.9	3094.3	3108.4	3140.1	3090.8	3133.0	3104.9	3062.6	3059.1	3090.8	3101.3
7.5°	3154.1	3129.5	3147.1	3178.8	3126.0	3168.2	3143.6	3097.8	3090.8	3122.5	3133.0
10°	3164.7	3143.6	3157.7	3192.9	3140.1	3178.8	3161.2	3111.9	3108.4	3133.0	3147.1
12.5°	3182.3	3164.7	3182.3	3217.5	3164.7	3203.4	3185.8	3136.5	3129.5	3161.2	3171.7
15°	3217.5	3199.9	3221.0	3252.7	3203.4	3235.1	3217.5	3168.2	3164.7	3189.3	3203.4
17.5°	3221.0	3206.9	3228.1	3252.7	3203.4	3235.1	3221.0	3168.2	3164.7	3192.9	3203.4
20°	3164.7	3164.7	3182.3	3206.9	3154.1	3185.8	3171.7	3118.9	3118.9	3143.6	3154.1
22.5°	3083.7	3087.3	3104.9	3126.0	3073.2	3104.9	3090.8	3038.0	3041.5	3062.6	3076.7
25°	2978.1	2985.2	2999.2	3020.4	2971.1	2999.2	2978.1	2935.9	2932.4	2957.0	2974.6
27.5°	2840.8	2851.4	2865.5	2883.1	2837.3	2858.4	2844.4	2802.1	2798.6	2823.2	2840.8
30°	2668.3	2682.4	2696.5	2707.1	2664.8	2685.9	2668.3	2629.6	2629.6	2650.7	2661.3
32.5°	2464.2	2478.3	2495.9	2502.9	2460.6	2485.3	2471.2	2429.0	2429.0	2450.1	2471.2
35°	2221.3	2245.9	2256.5	2267.0	2224.8	2238.9	2245.9	2189.6	2196.6	2214.2	2242.4
37.5°	1960.8	1981.9	1996.0	2003.0	1964.3	1978.4	1981.9	1932.6	1939.7	1953.7	1985.4
40°	1668.6	1693.2	1703.8	1707.3	1679.2	1689.7	1693.2	1644.0	1654.5	1665.1	1689.7
42.5°	1376.4	1379.9	1390.5	1397.5	1372.9	1376.4	1383.5	1337.7	1351.8	1355.3	1379.9
45°	1049.0	1063.1	1070.2	1077.2	1056.1	1063.1	1063.1	1031.4	1035.0	1042.0	1063.1
47.5°	756.9	767.4	774.5	781.5	763.9	770.9	770.9	739.3	749.8	753.3	767.4
50°	517.5	524.5	528.0	524.5	524.5	524.5	524.5	506.9	517.5	506.9	524.5
52.5°	337.9	341.5	348.5	348.5	337.9	345.0	345.0	330.9	334.4	334.4	345.0
55°	207.7	211.2	214.7	211.2	207.7	211.2	211.2	204.2	211.2	204.2	214.7
57.5°	119.7	123.2	119.7	119.7	119.7	119.7	119.7	119.7	119.7	116.2	123.2
60°	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	70.4
62.5°	42.2	45.8	45.8	45.8	45.8	45.8	45.8	42.2	45.8	45.8	45.8
65°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	38.7
67.5°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	31.7
70°	21.1	21.1	21.1	21.1	21.1	21.1	24.6	24.6	21.1	24.6	24.6
72.5°	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
75°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	14.1
77.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	7.0
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	3.5	0.0	3.5
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: P212873

CATALOG NUMBER: LD6B70D010TE EU6B60709730 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9
2.5°	3059.1	3030.9	3030.9	2999.2	3027.4	3030.9	2995.7	2985.2	3023.9	2981.6	3002.8
5°	3087.3	3059.1	3059.1	3027.4	3048.5	3048.5	3013.3	2995.7	3034.4	2992.2	3009.8
7.5°	3122.5	3090.8	3083.7	3052.1	3069.7	3073.2	3030.9	3006.3	3045.0	2995.7	3013.3
10°	3133.0	3097.8	3094.3	3062.6	3076.7	3080.2	3030.9	3009.8	3041.5	2988.7	2999.2
12.5°	3157.7	3118.9	3118.9	3087.3	3097.8	3097.8	3048.5	3020.4	3048.5	2995.7	3002.8
15°	3185.8	3143.6	3143.6	3111.9	3118.9	3122.5	3062.6	3034.4	3059.1	3002.8	3009.8
17.5°	3185.8	3140.1	3140.1	3111.9	3115.4	3111.9	3055.6	3023.9	3041.5	2981.6	2985.2
20°	3136.5	3090.8	3097.8	3066.1	3069.7	3066.1	3006.3	2974.6	2992.2	2928.8	2935.9
22.5°	3055.6	3013.3	3020.4	2992.2	2992.2	2988.7	2932.4	2900.7	2918.3	2854.9	2858.4
25°	2953.5	2911.2	2918.3	2890.1	2893.6	2893.6	2837.3	2802.1	2819.7	2763.4	2763.4
27.5°	2819.7	2777.5	2788.0	2770.4	2759.9	2763.4	2714.1	2678.9	2696.5	2643.7	2643.7
30°	2647.2	2612.0	2622.6	2608.5	2597.9	2597.9	2555.7	2520.5	2538.1	2492.3	2488.8
32.5°	2443.0	2414.9	2425.4	2414.9	2404.3	2414.9	2369.1	2333.9	2351.5	2316.3	2319.8
35°	2221.3	2193.1	2200.2	2189.6	2182.6	2189.6	2143.8	2119.2	2136.8	2101.6	2115.7
37.5°	1974.9	1925.6	1946.7	1939.7	1932.6	1936.1	1893.9	1876.3	1897.4	1876.3	1886.9
40°	1686.2	1651.0	1665.1	1658.0	1651.0	1668.6	1636.9	1612.3	1629.9	1615.8	1636.9
42.5°	1372.9	1344.7	1362.3	1358.8	1348.3	1369.4	1344.7	1327.1	1355.3	1348.3	1365.9
45°	1056.1	1035.0	1049.0	1049.0	1045.5	1063.1	1038.5	1042.0	1070.2	1080.7	1101.8
47.5°	763.9	732.2	749.8	760.4	760.4	778.0	763.9	778.0	809.7	830.8	848.4
50°	521.0	514.0	517.5	521.0	528.0	542.1	538.6	559.7	580.8	616.0	637.2
52.5°	345.0	337.9	345.0	348.5	355.5	369.6	369.6	394.3	418.9	450.6	475.2
55°	214.7	211.2	214.7	218.3	225.3	239.4	242.9	267.5	292.2	323.9	345.0
57.5°	123.2	126.7	126.7	133.8	137.3	147.9	158.4	172.5	200.7	232.3	253.5
60°	70.4	70.4	73.9	77.4	81.0	91.5	98.6	112.6	133.8	165.5	179.5
62.5°	45.8	45.8	49.3	49.3	52.8	59.8	66.9	81.0	98.6	123.2	137.3
65°	38.7	38.7	38.7	42.2	42.2	49.3	56.3	66.9	81.0	98.6	112.6
67.5°	31.7	31.7	31.7	35.2	35.2	38.7	45.8	52.8	63.4	77.4	88.0
70°	24.6	24.6	24.6	28.2	28.2	31.7	35.2	38.7	49.3	59.8	66.9
72.5°	17.6	17.6	21.1	21.1	21.1	24.6	28.2	31.7	38.7	45.8	49.3
75°	14.1	14.1	14.1	14.1	17.6	17.6	21.1	24.6	28.2	31.7	35.2
77.5°	7.0	7.0	10.6	10.6	10.6	14.1	14.1	17.6	21.1	24.6	24.6
80°	7.0	7.0	7.0	7.0	7.0	10.6	10.6	10.6	14.1	17.6	17.6
82.5°	3.5	3.5	3.5	3.5	3.5	7.0	7.0	7.0	10.6	10.6	10.6
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	7.0	7.0	7.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5	3.5	3.5	3.5
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: P212873

CATALOG NUMBER: LD6B70D010TE EU6B60709730 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9	3023.9
2.5°	2978.1	2988.7	2988.7	2978.1	2950.0	2974.6	2999.2	2974.6	3006.3	2950.0	2950.0
5°	2978.1	2985.2	2981.6	2967.6	2939.4	2960.5	2978.1	2953.5	2978.1	2925.3	2921.8
7.5°	2985.2	2978.1	2971.1	2953.5	2918.3	2932.4	2950.0	2921.8	2946.4	2890.1	2883.1
10°	2971.1	2960.5	2946.4	2921.8	2883.1	2893.6	2904.2	2879.6	2897.2	2840.8	2837.3
12.5°	2971.1	2953.5	2932.4	2904.2	2862.0	2869.0	2879.6	2847.9	2862.0	2809.2	2802.1
15°	2978.1	2946.4	2921.8	2890.1	2844.4	2847.9	2854.9	2819.7	2833.8	2777.5	2774.0
17.5°	2953.5	2918.3	2893.6	2854.9	2805.6	2809.2	2809.2	2774.0	2784.5	2728.2	2724.7
20°	2900.7	2858.4	2830.3	2795.1	2742.3	2742.3	2742.3	2707.1	2714.1	2664.8	2657.8
22.5°	2826.8	2781.0	2752.8	2717.6	2668.3	2664.8	2661.3	2633.1	2633.1	2587.4	2576.8
25°	2728.2	2685.9	2657.8	2626.1	2576.8	2569.8	2569.8	2545.1	2541.6	2499.4	2492.3
27.5°	2615.5	2566.3	2541.6	2513.5	2467.7	2460.6	2457.1	2443.0	2436.0	2390.2	2386.7
30°	2464.2	2421.9	2400.8	2376.2	2333.9	2326.9	2323.4	2309.3	2305.8	2260.0	2260.0
32.5°	2302.2	2249.4	2235.4	2210.7	2179.0	2175.5	2179.0	2161.4	2147.3	2115.7	2108.6
35°	2108.6	2055.8	2045.3	2034.7	2010.1	2003.0	1999.5	1996.0	1978.4	1957.3	1946.7
37.5°	1883.3	1837.6	1837.6	1834.0	1816.4	1816.4	1816.4	1809.4	1791.8	1784.8	1763.6
40°	1640.4	1605.2	1608.8	1612.3	1605.2	1608.8	1612.3	1605.2	1591.1	1584.1	1566.5
42.5°	1379.9	1362.3	1376.4	1387.0	1387.0	1397.5	1404.6	1404.6	1387.0	1383.5	1369.4
45°	1119.4	1115.9	1144.1	1165.2	1172.2	1189.8	1200.4	1193.4	1193.4	1193.4	1179.3
47.5°	876.5	890.6	915.3	957.5	971.6	992.7	999.7	1010.3	1006.8	1010.3	999.7
50°	665.3	697.0	728.7	770.9	792.1	816.7	827.3	841.3	841.3	844.9	837.8
52.5°	503.4	528.0	580.8	609.0	633.6	658.3	672.4	686.4	690.0	690.0	682.9
55°	373.1	408.3	443.6	482.3	503.4	528.0	538.6	552.7	552.7	559.7	552.7
57.5°	271.1	306.3	345.0	373.1	397.8	415.4	425.9	436.5	443.6	443.6	440.0
60°	200.7	228.8	260.5	288.7	309.8	327.4	334.4	345.0	348.5	348.5	341.5
62.5°	151.4	179.5	207.7	232.3	246.4	260.5	267.5	274.6	274.6	274.6	271.1
65°	123.2	144.3	165.5	186.6	200.7	211.2	214.7	221.8	218.3	221.8	218.3
67.5°	98.6	112.6	130.2	144.3	154.9	161.9	165.5	172.5	169.0	172.5	169.0
70°	73.9	88.0	98.6	109.1	116.2	123.2	126.7	130.2	126.7	130.2	126.7
72.5°	56.3	63.4	73.9	84.5	88.0	91.5	95.0	95.0	95.0	98.6	95.0
75°	38.7	45.8	52.8	56.3	63.4	66.9	66.9	70.4	70.4	70.4	70.4
77.5°	28.2	31.7	35.2	38.7	42.2	45.8	45.8	49.3	49.3	49.3	49.3
80°	17.6	21.1	21.1	24.6	28.2	28.2	31.7	31.7	31.7	31.7	31.7
82.5°	10.6	14.1	14.1	17.6	17.6	17.6	21.1	21.1	21.1	21.1	21.1
85°	7.0	7.0	7.0	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	7.0	7.0	3.5	3.5
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: P212873

CATALOG NUMBER: LD6B70D010TE EU6B60709730 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	3023.9	3023.9	3023.9	3023.9
2.5°	2978.1	2960.5	2988.7	2946.4
5°	2946.4	2928.8	2964.0	2911.2
7.5°	2907.7	2890.1	2921.8	2869.0
10°	2858.4	2840.8	2869.0	2812.7
12.5°	2816.2	2798.6	2830.3	2777.5
15°	2784.5	2766.9	2795.1	2745.8
17.5°	2735.2	2714.1	2745.8	2693.0
20°	2664.8	2650.7	2675.4	2622.6
22.5°	2583.9	2569.8	2597.9	2545.1
25°	2499.4	2481.8	2509.9	2457.1
27.5°	2390.2	2376.2	2404.3	2351.5
30°	2260.0	2245.9	2274.1	2224.8
32.5°	2112.1	2098.1	2119.2	2076.9
35°	1943.2	1932.6	1953.7	1908.0
37.5°	1760.1	1749.6	1770.7	1724.9
40°	1563.0	1552.4	1570.0	1548.9
42.5°	1369.4	1358.8	1376.4	1358.8
45°	1179.3	1172.2	1189.8	1172.2
47.5°	1003.3	996.2	1013.8	996.2
50°	834.3	837.8	844.9	837.8
52.5°	682.9	682.9	693.5	682.9
55°	552.7	556.2	559.7	552.7
57.5°	440.0	440.0	443.6	440.0
60°	341.5	345.0	345.0	341.5
62.5°	271.1	271.1	271.1	271.1
65°	214.7	214.7	218.3	214.7
67.5°	169.0	165.5	169.0	165.5
70°	126.7	126.7	126.7	126.7
72.5°	98.6	98.6	95.0	95.0
75°	70.4	73.9	70.4	70.4
77.5°	49.3	49.3	49.3	49.3
80°	31.7	31.7	31.7	31.7
82.5°	21.1	21.1	21.1	21.1
85°	14.1	10.6	10.6	10.6
87.5°	7.0	3.5	3.5	3.5
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)