

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: P212869

Luminaire Tested: **LD6B70D010TE EU6B60709035 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212869  
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 EU6B60709035 6LBSWL1  
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: 5866.8 lumens  
Efficiency: N/A  
Efficacy: 73.8 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

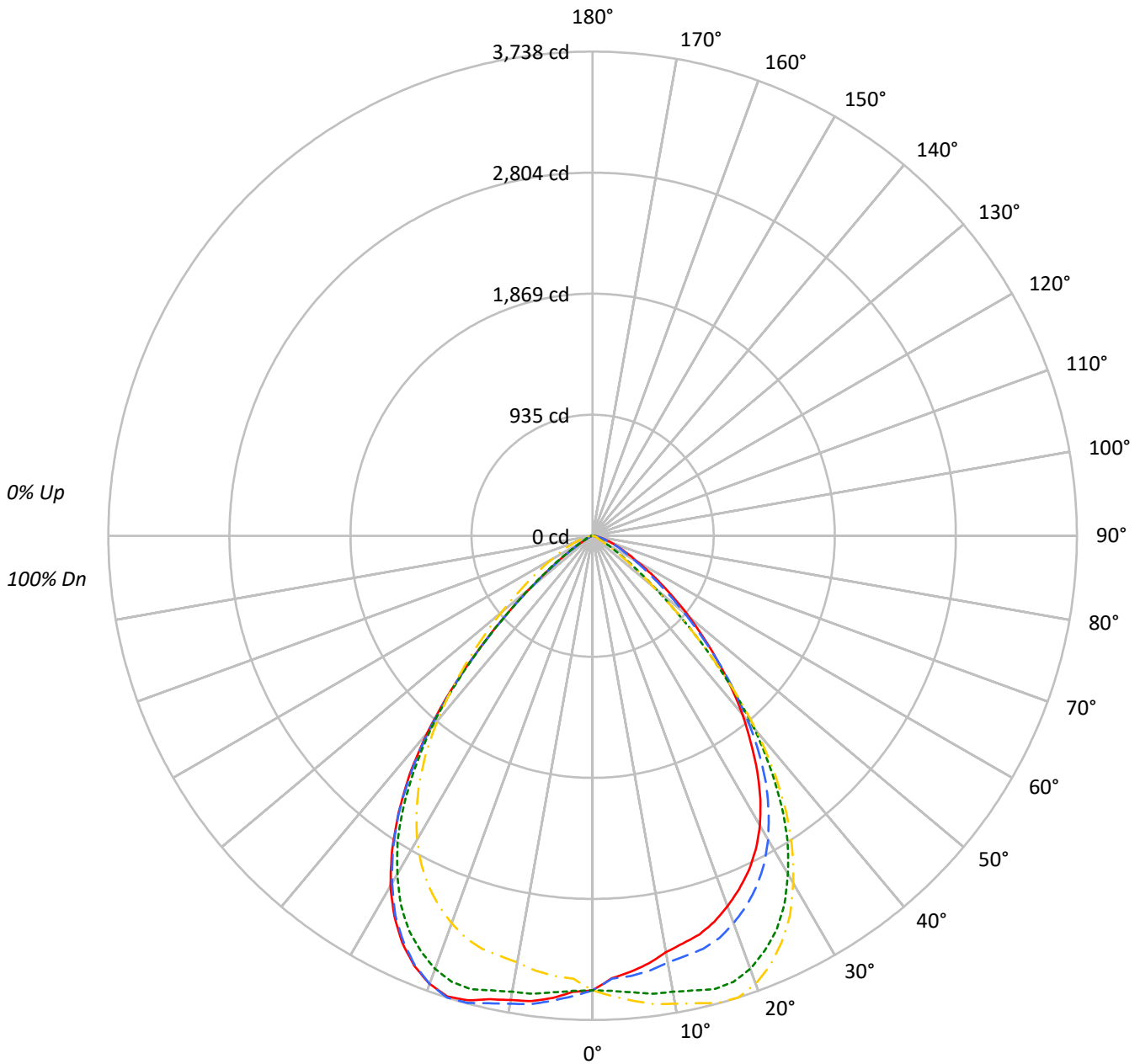
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P212869

CATALOG NUMBER: LD6B70D010TE EU6B60709035 6LBSWL11

### Luminous Intensity Polar Plot





TEST NUMBER: P212869

CATALOG NUMBER: LD6B70D010TE EU6B60709035 6LBSWLI1

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	112	109	106	103	110	107	104	102	103	100	98	99	97	96	95	94	93	91				91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82				82
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73				73
4	92	83	76	71	90	82	75	70	79	74	70	77	73	69	75	71	68	66				66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60				60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54				54
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49				49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45				45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42				42
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38				38

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

	0°	90°	180°	270°
0°	192364	192364	192364	192364
5°	185906	194673	197143	194673
10°	181688	198966	202607	198966
15°	180835	205642	210739	205642
20°	177541	207568	214720	207568
25°	172468	203104	210024	203104
30°	163424	190833	197556	190833
35°	148174	170038	174689	170038
40°	128627	138567	142073	138567
45°	105461	95646	96274	95646
50°	82914	53653	52604	53653
55°	61293	26551	23818	26551
60°	43440	11644	8508	11644
65°	32325	7420	5292	7420
70°	23578	5898	3927	5898
75°	17305	4321	2605	4321
80°	11618	3883	1294	3883
85°	7737	2579	2579	2579



TEST NUMBER: P212869

CATALOG NUMBER: LD6B70D010TE EU6B60709035 6LBSWLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	335.9	5.7
10°-20°	994.9	17.0
20°-30°	1484.7	25.3
30°-40°	1525.4	26.0
40°-50°	987.8	16.8
50°-60°	367.3	6.3
60°-70°	120.5	2.1
70°-80°	42.5	0.7
80°-90°	7.7	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°	2815.5	48.0
0°-40°	4341.0	74.0
0°-60°	5696.1	97.1
0°-90°	5866.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5866.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3509	3509	3509	3509	3509	
5°	3378	3538	3582	3538	3378	319
15°	3186	3623	3713	3623	3186	896
25°	2851	3358	3472	3358	2851	1307
35°	2214	2541	2610	2541	2214	1375
45°	1360	1234	1242	1234	1360	1052
55°	641	278	249	278	641	585
65°	249	57	41	57	249	253
75°	82	20	12	20	82	90
85°	12	4	4	4	12	16
90°	0	0	0	0	0	



TEST NUMBER: P212869

CATALOG NUMBER: LD6B70D010TE EU6B60709035 6LBSWLI1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0
2.5°	3419.1	3468.1	3435.5	3455.9	3423.2	3423.2	3488.6	3451.8	3480.4	3451.8	3423.2
5°	3378.3	3439.5	3398.7	3419.1	3390.5	3394.6	3455.9	3427.3	3455.9	3435.5	3410.9
7.5°	3329.2	3390.5	3353.8	3374.2	3345.6	3353.8	3419.1	3390.5	3423.2	3402.8	3386.4
10°	3263.9	3329.2	3296.6	3317.0	3292.5	3296.6	3361.9	3341.5	3370.1	3357.8	3345.6
12.5°	3223.0	3284.3	3247.5	3268.0	3251.6	3259.8	3321.1	3304.7	3341.5	3329.2	3321.1
15°	3186.3	3243.5	3210.8	3231.2	3219.0	3223.0	3288.4	3272.1	3312.9	3304.7	3300.7
17.5°	3125.0	3186.3	3149.5	3174.0	3161.8	3165.8	3231.2	3219.0	3259.8	3259.8	3255.7
20°	3043.3	3104.6	3076.0	3092.3	3084.1	3092.3	3149.5	3141.3	3182.2	3182.2	3182.2
22.5°	2953.4	3014.7	2982.0	2998.4	2990.2	3002.4	3055.6	3055.6	3088.2	3092.3	3096.4
25°	2851.3	2912.6	2879.9	2900.3	2892.2	2900.3	2949.3	2953.4	2982.0	2982.0	2990.2
27.5°	2728.8	2790.0	2757.4	2773.7	2769.6	2773.7	2826.8	2835.0	2851.3	2855.4	2863.6
30°	2581.7	2638.9	2606.2	2622.5	2622.5	2622.5	2675.7	2679.7	2696.1	2700.2	2708.3
32.5°	2410.1	2459.1	2434.6	2451.0	2446.9	2455.1	2491.8	2508.2	2528.6	2524.5	2528.6
35°	2214.1	2267.2	2242.6	2254.9	2259.0	2271.2	2295.8	2316.2	2320.3	2324.3	2332.5
37.5°	2001.6	2054.7	2030.2	2042.5	2046.6	2071.1	2079.2	2099.7	2107.8	2107.8	2107.8
40°	1797.4	1821.9	1801.5	1813.7	1817.8	1838.2	1846.4	1862.7	1870.9	1866.8	1862.7
42.5°	1576.8	1597.2	1576.8	1589.1	1589.1	1605.4	1609.5	1629.9	1629.9	1621.7	1609.5
45°	1360.3	1380.7	1360.3	1368.5	1368.5	1384.8	1384.8	1384.8	1393.0	1380.7	1360.3
47.5°	1156.0	1176.5	1156.0	1164.2	1160.1	1172.4	1168.3	1172.4	1160.1	1152.0	1127.5
50°	972.2	980.4	972.2	968.1	972.2	980.4	976.3	976.3	960.0	947.7	919.1
52.5°	792.5	804.7	792.5	792.5	792.5	800.7	800.7	796.6	780.2	763.9	735.3
55°	641.3	649.5	645.4	641.3	641.3	649.5	641.3	641.3	625.0	612.7	584.2
57.5°	510.6	514.7	510.6	510.6	510.6	514.7	514.7	506.5	494.3	482.0	461.6
60°	396.2	400.3	400.3	396.2	396.2	404.4	404.4	400.3	388.1	379.9	359.5
62.5°	314.5	314.5	314.5	314.5	314.5	318.6	318.6	318.6	310.5	302.3	285.9
65°	249.2	253.3	249.2	249.2	253.3	257.4	253.3	257.4	249.2	245.1	232.8
67.5°	192.0	196.1	192.0	196.1	196.1	200.2	196.1	200.2	192.0	187.9	179.7
70°	147.1	147.1	147.1	147.1	147.1	151.1	147.1	151.1	147.1	143.0	134.8
72.5°	110.3	110.3	114.4	114.4	110.3	114.4	110.3	110.3	110.3	106.2	102.1
75°	81.7	81.7	85.8	81.7	81.7	81.7	81.7	81.7	77.6	77.6	73.5
77.5°	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	53.1	53.1	49.0
80°	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	32.7	32.7
82.5°	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	20.4	20.4
85°	12.3	12.3	12.3	16.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
87.5°	4.1	4.1	4.1	8.2	4.1	4.1	8.2	8.2	4.1	4.1	4.1
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: P212869

CATALOG NUMBER: LD6B70D010TE EU6B60709035 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0
2.5°	3455.9	3468.1	3468.1	3455.9	3484.5	3460.0	3509.0	3464.1	3476.3	3517.2	3513.1
5°	3443.6	3460.0	3464.1	3455.9	3492.6	3472.2	3521.2	3476.3	3496.7	3537.6	3537.6
7.5°	3427.3	3447.7	3455.9	3464.1	3496.7	3476.3	3533.5	3488.6	3517.2	3566.2	3562.1
10°	3390.5	3419.1	3435.5	3447.7	3480.4	3468.1	3529.4	3492.6	3517.2	3574.3	3570.3
12.5°	3370.1	3402.8	3427.3	3447.7	3484.5	3476.3	3537.6	3504.9	3537.6	3594.8	3594.8
15°	3353.8	3390.5	3419.1	3455.9	3492.6	3484.5	3549.8	3521.2	3553.9	3623.4	3619.3
17.5°	3312.9	3357.8	3386.4	3427.3	3464.1	3460.0	3529.4	3509.0	3545.7	3611.1	3615.2
20°	3243.5	3284.3	3317.0	3366.0	3406.9	3398.7	3472.2	3451.8	3488.6	3558.0	3562.1
22.5°	3153.6	3194.4	3227.1	3280.2	3317.0	3312.9	3386.4	3366.0	3402.8	3468.1	3472.2
25°	3047.4	3084.1	3116.8	3165.8	3206.7	3206.7	3272.1	3251.6	3292.5	3357.8	3357.8
27.5°	2916.7	2949.3	2977.9	3035.1	3067.8	3067.8	3129.1	3108.7	3149.5	3206.7	3202.6
30°	2757.4	2785.9	2810.5	2859.5	2888.1	2892.2	2945.3	2924.8	2965.7	3014.7	3014.7
32.5°	2565.4	2594.0	2610.3	2671.6	2692.0	2687.9	2728.8	2708.3	2749.2	2802.3	2790.0
35°	2361.1	2373.4	2385.6	2446.9	2455.1	2438.7	2479.6	2459.1	2487.7	2540.8	2532.7
37.5°	2128.3	2132.4	2132.4	2185.5	2189.5	2177.3	2201.8	2177.3	2197.7	2246.7	2242.6
40°	1870.9	1866.8	1862.7	1903.6	1899.5	1875.0	1891.3	1870.9	1899.5	1936.3	1915.8
42.5°	1609.5	1597.2	1580.9	1601.3	1585.0	1564.5	1572.7	1540.0	1560.5	1589.1	1564.5
45°	1352.1	1327.6	1294.9	1299.0	1278.6	1254.1	1241.8	1209.1	1205.1	1233.7	1213.2
47.5°	1111.1	1062.1	1033.5	1017.2	984.5	964.1	939.5	902.8	886.4	902.8	882.4
50°	894.6	845.6	808.8	772.1	739.4	714.9	674.0	649.5	625.0	629.1	612.7
52.5°	706.7	674.0	612.7	584.2	551.5	522.9	486.1	457.5	428.9	428.9	412.6
55°	559.6	514.7	473.9	433.0	400.3	375.8	339.1	310.5	281.9	277.8	261.4
57.5°	433.0	400.3	355.4	314.5	294.1	269.6	232.8	200.2	183.8	171.6	159.3
60°	335.0	302.3	265.5	232.8	208.3	192.0	155.2	130.7	114.4	106.2	94.0
62.5°	269.6	241.0	208.3	175.7	159.3	143.0	114.4	94.0	77.6	69.4	61.3
65°	216.5	192.0	167.5	143.0	130.7	114.4	94.0	77.6	65.4	57.2	49.0
67.5°	167.5	151.1	130.7	114.4	102.1	89.9	73.5	61.3	53.1	44.9	40.8
70°	126.6	114.4	102.1	85.8	77.6	69.4	57.2	44.9	40.8	36.8	32.7
72.5°	98.0	85.8	73.5	65.4	57.2	53.1	44.9	36.8	32.7	28.6	24.5
75°	65.4	61.3	53.1	44.9	40.8	36.8	32.7	28.6	24.5	20.4	20.4
77.5°	44.9	40.8	36.8	32.7	28.6	28.6	24.5	20.4	16.3	16.3	12.3
80°	28.6	24.5	24.5	20.4	20.4	20.4	16.3	12.3	12.3	12.3	8.2
82.5°	20.4	16.3	16.3	12.3	12.3	12.3	12.3	8.2	8.2	8.2	4.1
85°	12.3	8.2	8.2	8.2	8.2	8.2	8.2	4.1	4.1	4.1	4.1
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	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: P212869

CATALOG NUMBER: LD6B70D010TE EU6B60709035 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0
2.5°	3480.4	3517.2	3517.2	3549.8	3553.9	3545.7	3509.0	3509.0	3558.0	3586.6	3537.6
5°	3513.1	3549.8	3549.8	3582.5	3598.9	3586.6	3549.8	3553.9	3602.9	3635.6	3586.6
7.5°	3541.7	3578.4	3586.6	3623.4	3635.6	3623.4	3586.6	3594.8	3647.9	3676.5	3627.4
10°	3553.9	3590.7	3594.8	3635.6	3652.0	3635.6	3607.0	3611.1	3668.3	3688.7	3643.8
12.5°	3582.5	3619.3	3619.3	3664.2	3680.6	3668.3	3631.5	3639.7	3696.9	3717.3	3672.4
15°	3611.1	3647.9	3647.9	3696.9	3717.3	3701.0	3672.4	3676.5	3733.7	3754.1	3717.3
17.5°	3611.1	3643.8	3643.8	3696.9	3717.3	3705.1	3672.4	3676.5	3737.7	3754.1	3717.3
20°	3558.0	3594.8	3586.6	3639.7	3660.1	3647.9	3619.3	3619.3	3680.6	3696.9	3660.1
22.5°	3472.2	3504.9	3496.7	3545.7	3570.3	3553.9	3529.4	3525.3	3586.6	3602.9	3566.2
25°	3353.8	3386.4	3378.3	3427.3	3451.8	3431.4	3402.8	3406.9	3455.9	3480.4	3447.7
27.5°	3214.9	3235.3	3223.0	3272.1	3296.6	3276.1	3247.5	3251.6	3300.7	3317.0	3292.5
30°	3027.0	3043.3	3031.0	3071.9	3088.2	3076.0	3051.5	3051.5	3096.4	3116.8	3092.3
32.5°	2802.3	2814.5	2802.3	2835.0	2867.6	2843.1	2818.6	2818.6	2867.6	2884.0	2855.4
35°	2540.8	2553.1	2544.9	2577.6	2602.1	2569.4	2549.0	2540.8	2606.2	2598.0	2581.7
37.5°	2250.8	2259.0	2234.5	2291.7	2303.9	2267.2	2250.8	2242.6	2299.8	2295.8	2279.4
40°	1924.0	1932.2	1915.8	1956.7	1960.8	1932.2	1919.9	1907.7	1964.9	1960.8	1948.5
42.5°	1576.8	1580.9	1560.5	1593.1	1601.3	1572.7	1568.6	1552.3	1605.4	1597.2	1593.1
45°	1217.3	1217.3	1201.0	1225.5	1233.7	1209.1	1201.0	1196.9	1233.7	1233.7	1225.5
47.5°	882.4	870.1	849.7	886.4	890.5	874.2	870.1	857.8	894.6	894.6	886.4
50°	604.6	600.5	596.4	604.6	608.7	588.2	600.5	588.2	608.7	608.7	608.7
52.5°	404.4	400.3	392.2	400.3	400.3	388.1	388.1	384.0	400.3	400.3	392.2
55°	253.3	249.2	245.1	249.2	249.2	236.9	245.1	236.9	245.1	245.1	241.0
57.5°	155.2	147.1	147.1	143.0	143.0	134.8	138.9	138.9	138.9	138.9	138.9
60°	89.9	85.8	81.7	81.7	81.7	77.6	77.6	77.6	77.6	77.6	77.6
62.5°	57.2	57.2	53.1	53.1	53.1	53.1	53.1	49.0	53.1	53.1	53.1
65°	49.0	44.9	44.9	44.9	44.9	40.8	40.8	40.8	40.8	40.8	40.8
67.5°	40.8	36.8	36.8	36.8	36.8	32.7	32.7	32.7	32.7	32.7	32.7
70°	32.7	28.6	28.6	28.6	28.6	28.6	24.5	28.6	28.6	24.5	24.5
72.5°	24.5	24.5	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
75°	16.3	16.3	16.3	16.3	16.3	12.3	12.3	12.3	12.3	12.3	12.3
77.5°	12.3	12.3	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	8.2	8.2	8.2	8.2	8.2	4.1	4.1	4.1	4.1	4.1	4.1
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	4.1	4.1	4.1	4.1	4.1	0.0	4.1	0.0	4.1	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: P212869

CATALOG NUMBER: LD6B70D010TE EU6B60709035 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0
2.5°	3594.8	3553.9	3533.5	3574.3	3590.7	3570.3	3553.9	3525.3	3553.9	3570.3	3590.7
5°	3643.8	3607.0	3590.7	3619.3	3643.8	3623.4	3611.1	3582.5	3611.1	3623.4	3643.8
7.5°	3688.7	3652.0	3631.5	3660.1	3688.7	3660.1	3647.9	3623.4	3647.9	3660.1	3688.7
10°	3705.1	3664.2	3647.9	3672.4	3701.0	3672.4	3656.0	3639.7	3656.0	3672.4	3701.0
12.5°	3733.7	3692.8	3672.4	3692.8	3721.4	3692.8	3676.5	3664.2	3676.5	3692.8	3721.4
15°	3774.5	3737.7	3713.2	3733.7	3770.4	3737.7	3717.3	3713.2	3717.3	3737.7	3770.4
17.5°	3774.5	3745.9	3721.4	3737.7	3774.5	3750.0	3721.4	3729.6	3721.4	3750.0	3774.5
20°	3721.4	3692.8	3672.4	3672.4	3725.5	3692.8	3668.3	3680.6	3668.3	3692.8	3725.5
22.5°	3627.4	3602.9	3582.5	3578.4	3631.5	3602.9	3570.3	3594.8	3570.3	3602.9	3631.5
25°	3504.9	3480.4	3464.1	3455.9	3509.0	3476.3	3447.7	3472.2	3447.7	3476.3	3509.0
27.5°	3345.6	3325.2	3308.8	3296.6	3345.6	3317.0	3288.4	3312.9	3288.4	3317.0	3345.6
30°	3141.3	3129.1	3112.7	3096.4	3145.4	3116.8	3088.2	3120.9	3088.2	3116.8	3145.4
32.5°	2904.4	2896.2	2875.8	2859.5	2908.5	2875.8	2855.4	2879.9	2855.4	2875.8	2908.5
35°	2630.7	2618.5	2606.2	2577.6	2630.7	2602.1	2602.1	2610.3	2602.1	2602.1	2630.7
37.5°	2324.3	2316.2	2299.8	2275.3	2320.3	2299.8	2291.7	2316.2	2291.7	2299.8	2320.3
40°	1981.2	1977.1	1964.9	1936.3	1985.3	1964.9	1952.6	1985.3	1952.6	1964.9	1985.3
42.5°	1621.7	1613.6	1601.3	1597.2	1621.7	1605.4	1617.6	1617.6	1617.6	1605.4	1621.7
45°	1250.0	1241.8	1233.7	1217.3	1245.9	1237.7	1233.7	1241.8	1233.7	1237.7	1245.9
47.5°	906.9	898.7	890.5	878.3	906.9	894.6	894.6	902.8	894.6	894.6	906.9
50°	608.7	612.7	608.7	600.5	608.7	604.6	608.7	616.8	608.7	604.6	608.7
52.5°	404.4	404.4	396.2	392.2	400.3	396.2	408.5	400.3	408.5	396.2	400.3
55°	245.1	249.2	245.1	241.0	245.1	241.0	253.3	249.2	253.3	241.0	245.1
57.5°	138.9	138.9	143.0	138.9	147.1	143.0	143.0	143.0	143.0	143.0	147.1
60°	77.6	77.6	77.6	77.6	77.6	77.6	81.7	77.6	81.7	77.6	77.6
62.5°	53.1	53.1	53.1	49.0	53.1	49.0	53.1	53.1	53.1	49.0	53.1
65°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
67.5°	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
70°	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
72.5°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
75°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
77.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	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: P212869

CATALOG NUMBER: LD6B70D010TE EU6B60709035 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0
2.5°	3574.3	3533.5	3553.9	3594.8	3537.6	3586.6	3558.0	3509.0	3509.0	3545.7	3553.9
5°	3619.3	3590.7	3607.0	3643.8	3586.6	3635.6	3602.9	3553.9	3549.8	3586.6	3598.9
7.5°	3660.1	3631.5	3652.0	3688.7	3627.4	3676.5	3647.9	3594.8	3586.6	3623.4	3635.6
10°	3672.4	3647.9	3664.2	3705.1	3643.8	3688.7	3668.3	3611.1	3607.0	3635.6	3652.0
12.5°	3692.8	3672.4	3692.8	3733.7	3672.4	3717.3	3696.9	3639.7	3631.5	3668.3	3680.6
15°	3733.7	3713.2	3737.7	3774.5	3717.3	3754.1	3733.7	3676.5	3672.4	3701.0	3717.3
17.5°	3737.7	3721.4	3745.9	3774.5	3717.3	3754.1	3737.7	3676.5	3672.4	3705.1	3717.3
20°	3672.4	3672.4	3692.8	3721.4	3660.1	3696.9	3680.6	3619.3	3619.3	3647.9	3660.1
22.5°	3578.4	3582.5	3602.9	3627.4	3566.2	3602.9	3586.6	3525.3	3529.4	3553.9	3570.3
25°	3455.9	3464.1	3480.4	3504.9	3447.7	3480.4	3455.9	3406.9	3402.8	3431.4	3451.8
27.5°	3296.6	3308.8	3325.2	3345.6	3292.5	3317.0	3300.7	3251.6	3247.5	3276.1	3296.6
30°	3096.4	3112.7	3129.1	3141.3	3092.3	3116.8	3096.4	3051.5	3051.5	3076.0	3088.2
32.5°	2859.5	2875.8	2896.2	2904.4	2855.4	2884.0	2867.6	2818.6	2818.6	2843.1	2867.6
35°	2577.6	2606.2	2618.5	2630.7	2581.7	2598.0	2606.2	2540.8	2549.0	2569.4	2602.1
37.5°	2275.3	2299.8	2316.2	2324.3	2279.4	2295.8	2299.8	2242.6	2250.8	2267.2	2303.9
40°	1936.3	1964.9	1977.1	1981.2	1948.5	1960.8	1964.9	1907.7	1919.9	1932.2	1960.8
42.5°	1597.2	1601.3	1613.6	1621.7	1593.1	1597.2	1605.4	1552.3	1568.6	1572.7	1601.3
45°	1217.3	1233.7	1241.8	1250.0	1225.5	1233.7	1233.7	1196.9	1201.0	1209.1	1233.7
47.5°	878.3	890.5	898.7	906.9	886.4	894.6	894.6	857.8	870.1	874.2	890.5
50°	600.5	608.7	612.7	608.7	608.7	608.7	608.7	588.2	600.5	588.2	608.7
52.5°	392.2	396.2	404.4	404.4	392.2	400.3	400.3	384.0	388.1	388.1	400.3
55°	241.0	245.1	249.2	245.1	241.0	245.1	245.1	236.9	245.1	236.9	249.2
57.5°	138.9	143.0	138.9	138.9	138.9	138.9	138.9	138.9	138.9	134.8	143.0
60°	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	81.7
62.5°	49.0	53.1	53.1	53.1	53.1	53.1	53.1	49.0	53.1	53.1	53.1
65°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	44.9
67.5°	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	36.8
70°	24.5	24.5	24.5	24.5	24.5	24.5	28.6	28.6	24.5	28.6	28.6
72.5°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
75°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	16.3
77.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	8.2
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	4.1	0.0	4.1
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: P212869

CATALOG NUMBER: LD6B70D010TE EU6B60709035 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0
2.5°	3549.8	3517.2	3517.2	3480.4	3513.1	3517.2	3476.3	3464.1	3509.0	3460.0	3484.5
5°	3582.5	3549.8	3549.8	3513.1	3537.6	3537.6	3496.7	3476.3	3521.2	3472.2	3492.6
7.5°	3623.4	3586.6	3578.4	3541.7	3562.1	3566.2	3517.2	3488.6	3533.5	3476.3	3496.7
10°	3635.6	3594.8	3590.7	3553.9	3570.3	3574.3	3517.2	3492.6	3529.4	3468.1	3480.4
12.5°	3664.2	3619.3	3619.3	3582.5	3594.8	3594.8	3537.6	3504.9	3537.6	3476.3	3484.5
15°	3696.9	3647.9	3647.9	3611.1	3619.3	3623.4	3553.9	3521.2	3549.8	3484.5	3492.6
17.5°	3696.9	3643.8	3643.8	3611.1	3615.2	3611.1	3545.7	3509.0	3529.4	3460.0	3464.1
20°	3639.7	3586.6	3594.8	3558.0	3562.1	3558.0	3488.6	3451.8	3472.2	3398.7	3406.9
22.5°	3545.7	3496.7	3504.9	3472.2	3472.2	3468.1	3402.8	3366.0	3386.4	3312.9	3317.0
25°	3427.3	3378.3	3386.4	3353.8	3357.8	3357.8	3292.5	3251.6	3272.1	3206.7	3206.7
27.5°	3272.1	3223.0	3235.3	3214.9	3202.6	3206.7	3149.5	3108.7	3129.1	3067.8	3067.8
30°	3071.9	3031.0	3043.3	3027.0	3014.7	3014.7	2965.7	2924.8	2945.3	2892.2	2888.1
32.5°	2835.0	2802.3	2814.5	2802.3	2790.0	2802.3	2749.2	2708.3	2728.8	2687.9	2692.0
35°	2577.6	2544.9	2553.1	2540.8	2532.7	2540.8	2487.7	2459.1	2479.6	2438.7	2455.1
37.5°	2291.7	2234.5	2259.0	2250.8	2242.6	2246.7	2197.7	2177.3	2201.8	2177.3	2189.5
40°	1956.7	1915.8	1932.2	1924.0	1915.8	1936.3	1899.5	1870.9	1891.3	1875.0	1899.5
42.5°	1593.1	1560.5	1580.9	1576.8	1564.5	1589.1	1560.5	1540.0	1572.7	1564.5	1585.0
45°	1225.5	1201.0	1217.3	1217.3	1213.2	1233.7	1205.1	1209.1	1241.8	1254.1	1278.6
47.5°	886.4	849.7	870.1	882.4	882.4	902.8	886.4	902.8	939.5	964.1	984.5
50°	604.6	596.4	600.5	604.6	612.7	629.1	625.0	649.5	674.0	714.9	739.4
52.5°	400.3	392.2	400.3	404.4	412.6	428.9	428.9	457.5	486.1	522.9	551.5
55°	249.2	245.1	249.2	253.3	261.4	277.8	281.9	310.5	339.1	375.8	400.3
57.5°	143.0	147.1	147.1	155.2	159.3	171.6	183.8	200.2	232.8	269.6	294.1
60°	81.7	81.7	85.8	89.9	94.0	106.2	114.4	130.7	155.2	192.0	208.3
62.5°	53.1	53.1	57.2	57.2	61.3	69.4	77.6	94.0	114.4	143.0	159.3
65°	44.9	44.9	44.9	49.0	49.0	57.2	65.4	77.6	94.0	114.4	130.7
67.5°	36.8	36.8	36.8	40.8	40.8	44.9	53.1	61.3	73.5	89.9	102.1
70°	28.6	28.6	28.6	32.7	32.7	36.8	40.8	44.9	57.2	69.4	77.6
72.5°	20.4	20.4	24.5	24.5	24.5	28.6	32.7	36.8	44.9	53.1	57.2
75°	16.3	16.3	16.3	16.3	20.4	20.4	24.5	28.6	32.7	36.8	40.8
77.5°	8.2	8.2	12.3	12.3	12.3	16.3	16.3	20.4	24.5	28.6	28.6
80°	8.2	8.2	8.2	8.2	8.2	12.3	12.3	12.3	16.3	20.4	20.4
82.5°	4.1	4.1	4.1	4.1	4.1	8.2	8.2	8.2	12.3	12.3	12.3
85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	8.2	8.2	8.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.1	4.1	4.1	4.1
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: P212869

CATALOG NUMBER: LD6B70D010TE EU6B60709035 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0	3509.0
2.5°	3455.9	3468.1	3468.1	3455.9	3423.2	3451.8	3480.4	3451.8	3488.6	3423.2	3423.2
5°	3455.9	3464.1	3460.0	3443.6	3410.9	3435.5	3455.9	3427.3	3455.9	3394.6	3390.5
7.5°	3464.1	3455.9	3447.7	3427.3	3386.4	3402.8	3423.2	3390.5	3419.1	3353.8	3345.6
10°	3447.7	3435.5	3419.1	3390.5	3345.6	3357.8	3370.1	3341.5	3361.9	3296.6	3292.5
12.5°	3447.7	3427.3	3402.8	3370.1	3321.1	3329.2	3341.5	3304.7	3321.1	3259.8	3251.6
15°	3455.9	3419.1	3390.5	3353.8	3300.7	3304.7	3312.9	3272.1	3288.4	3223.0	3219.0
17.5°	3427.3	3386.4	3357.8	3312.9	3255.7	3259.8	3259.8	3219.0	3231.2	3165.8	3161.8
20°	3366.0	3317.0	3284.3	3243.5	3182.2	3182.2	3182.2	3141.3	3149.5	3092.3	3084.1
22.5°	3280.2	3227.1	3194.4	3153.6	3096.4	3092.3	3088.2	3055.6	3055.6	3002.4	2990.2
25°	3165.8	3116.8	3084.1	3047.4	2990.2	2982.0	2982.0	2953.4	2949.3	2900.3	2892.2
27.5°	3035.1	2977.9	2949.3	2916.7	2863.6	2855.4	2851.3	2835.0	2826.8	2773.7	2769.6
30°	2859.5	2810.5	2785.9	2757.4	2708.3	2700.2	2696.1	2679.7	2675.7	2622.5	2622.5
32.5°	2671.6	2610.3	2594.0	2565.4	2528.6	2524.5	2528.6	2508.2	2491.8	2455.1	2446.9
35°	2446.9	2385.6	2373.4	2361.1	2332.5	2324.3	2320.3	2316.2	2295.8	2271.2	2259.0
37.5°	2185.5	2132.4	2132.4	2128.3	2107.8	2107.8	2107.8	2099.7	2079.2	2071.1	2046.6
40°	1903.6	1862.7	1866.8	1870.9	1862.7	1866.8	1870.9	1862.7	1846.4	1838.2	1817.8
42.5°	1601.3	1580.9	1597.2	1609.5	1609.5	1621.7	1629.9	1629.9	1609.5	1605.4	1589.1
45°	1299.0	1294.9	1327.6	1352.1	1360.3	1380.7	1393.0	1384.8	1384.8	1384.8	1368.5
47.5°	1017.2	1033.5	1062.1	1111.1	1127.5	1152.0	1160.1	1172.4	1168.3	1172.4	1160.1
50°	772.1	808.8	845.6	894.6	919.1	947.7	960.0	976.3	976.3	980.4	972.2
52.5°	584.2	612.7	674.0	706.7	735.3	763.9	780.2	796.6	800.7	800.7	792.5
55°	433.0	473.9	514.7	559.6	584.2	612.7	625.0	641.3	641.3	649.5	641.3
57.5°	314.5	355.4	400.3	433.0	461.6	482.0	494.3	506.5	514.7	514.7	510.6
60°	232.8	265.5	302.3	335.0	359.5	379.9	388.1	400.3	404.4	404.4	396.2
62.5°	175.7	208.3	241.0	269.6	285.9	302.3	310.5	318.6	318.6	318.6	314.5
65°	143.0	167.5	192.0	216.5	232.8	245.1	249.2	257.4	253.3	257.4	253.3
67.5°	114.4	130.7	151.1	167.5	179.7	187.9	192.0	200.2	196.1	200.2	196.1
70°	85.8	102.1	114.4	126.6	134.8	143.0	147.1	151.1	147.1	151.1	147.1
72.5°	65.4	73.5	85.8	98.0	102.1	106.2	110.3	110.3	110.3	114.4	110.3
75°	44.9	53.1	61.3	65.4	73.5	77.6	77.6	81.7	81.7	81.7	81.7
77.5°	32.7	36.8	40.8	44.9	49.0	53.1	53.1	57.2	57.2	57.2	57.2
80°	20.4	24.5	24.5	28.6	32.7	32.7	36.8	36.8	36.8	36.8	36.8
82.5°	12.3	16.3	16.3	20.4	20.4	20.4	24.5	24.5	24.5	24.5	24.5
85°	8.2	8.2	8.2	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	8.2	8.2	4.1	4.1
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: P212869

CATALOG NUMBER: LD6B70D010TE EU6B60709035 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	3509.0	3509.0	3509.0	3509.0
2.5°	3455.9	3435.5	3468.1	3419.1
5°	3419.1	3398.7	3439.5	3378.3
7.5°	3374.2	3353.8	3390.5	3329.2
10°	3317.0	3296.6	3329.2	3263.9
12.5°	3268.0	3247.5	3284.3	3223.0
15°	3231.2	3210.8	3243.5	3186.3
17.5°	3174.0	3149.5	3186.3	3125.0
20°	3092.3	3076.0	3104.6	3043.3
22.5°	2998.4	2982.0	3014.7	2953.4
25°	2900.3	2879.9	2912.6	2851.3
27.5°	2773.7	2757.4	2790.0	2728.8
30°	2622.5	2606.2	2638.9	2581.7
32.5°	2451.0	2434.6	2459.1	2410.1
35°	2254.9	2242.6	2267.2	2214.1
37.5°	2042.5	2030.2	2054.7	2001.6
40°	1813.7	1801.5	1821.9	1797.4
42.5°	1589.1	1576.8	1597.2	1576.8
45°	1368.5	1360.3	1380.7	1360.3
47.5°	1164.2	1156.0	1176.5	1156.0
50°	968.1	972.2	980.4	972.2
52.5°	792.5	792.5	804.7	792.5
55°	641.3	645.4	649.5	641.3
57.5°	510.6	510.6	514.7	510.6
60°	396.2	400.3	400.3	396.2
62.5°	314.5	314.5	314.5	314.5
65°	249.2	249.2	253.3	249.2
67.5°	196.1	192.0	196.1	192.0
70°	147.1	147.1	147.1	147.1
72.5°	114.4	114.4	110.3	110.3
75°	81.7	85.8	81.7	81.7
77.5°	57.2	57.2	57.2	57.2
80°	36.8	36.8	36.8	36.8
82.5°	24.5	24.5	24.5	24.5
85°	16.3	12.3	12.3	12.3
87.5°	8.2	4.1	4.1	4.1
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)