

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: P212867

Luminaire Tested: **LD6B70D010TE EU6B60709027 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212867
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 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: 5562.9 lumens
Efficiency: N/A
Efficacy: 70.0 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

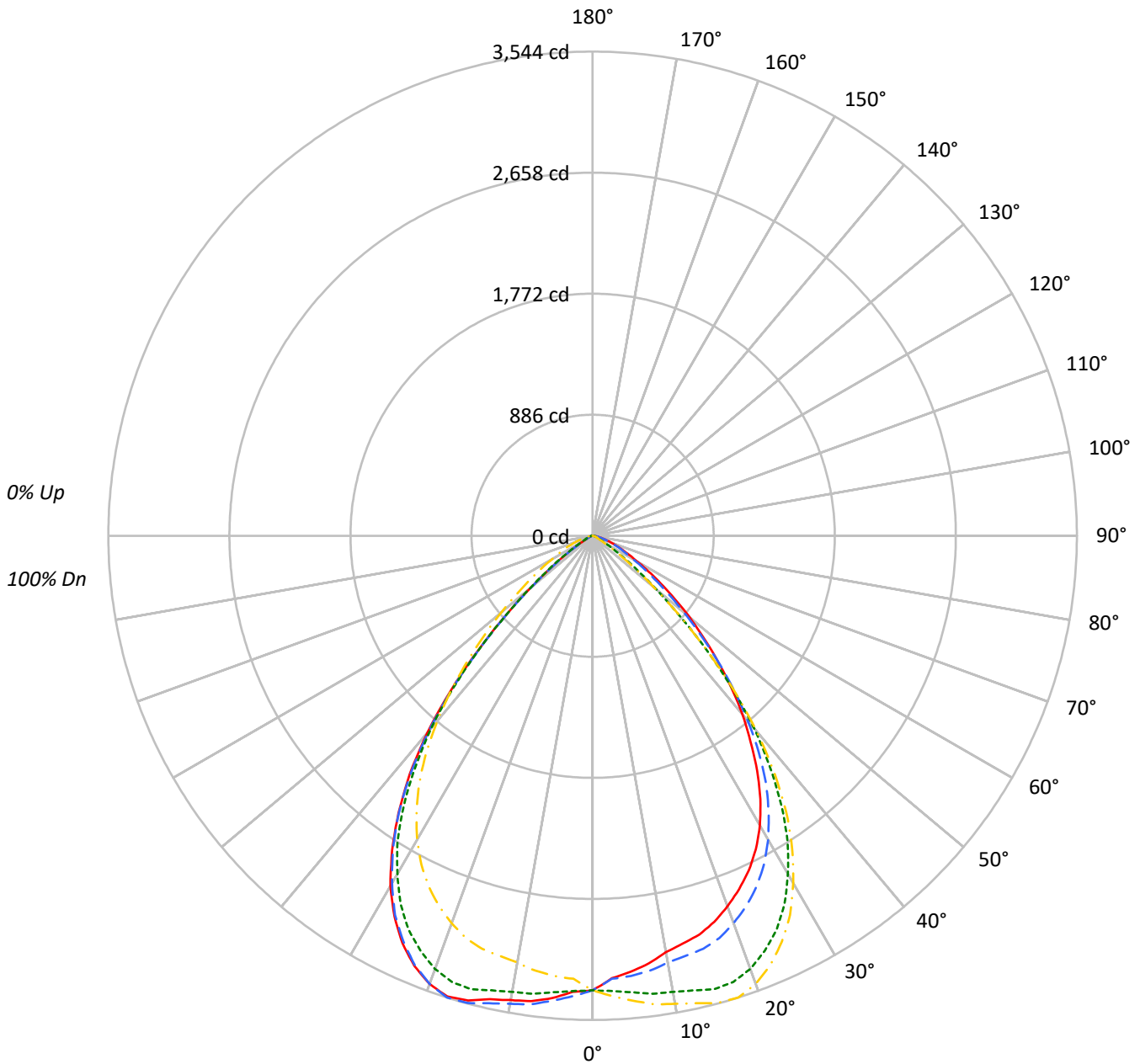
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	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°	182398	182398	182398	182398
5°	176276	184586	186930	184586
10°	172275	188663	192114	188663
15°	171465	194990	199825	194990
20°	168347	196816	203595	196816
25°	163534	192586	199149	192586
30°	154961	180946	187326	180946
35°	140498	161231	165641	161231
40°	121964	131389	134717	131389
45°	99995	90692	91289	90692
50°	78624	50873	49883	50873
55°	58120	25175	22585	25175
60°	41192	11041	8070	11041
65°	30652	7031	5020	7031
70°	22344	5594	3719	5594
75°	16415	4109	2457	4109
80°	11018	3662	1231	3662
85°	7296	2453	2453	2453



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.5	5.7
10°-20°	943.4	17.0
20°-30°	1407.8	25.3
30°-40°	1446.4	26.0
40°-50°	936.7	16.8
50°-60°	348.3	6.3
60°-70°	114.3	2.1
70°-80°	40.3	0.7
80°-90°	7.3	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°	2669.7	48.0
0°-40°	4116.1	74.0
0°-60°	5401.0	97.1
0°-90°	5562.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5562.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3327	3327	3327	3327	3327	
5°	3203	3354	3397	3354	3203	303
15°	3021	3436	3521	3436	3021	850
25°	2704	3184	3292	3184	2704	1239
35°	2099	2409	2475	2409	2099	1303
45°	1290	1170	1178	1170	1290	997
55°	608	263	236	263	608	554
65°	236	54	39	54	236	240
75°	78	19	12	19	78	85
85°	12	4	4	4	12	15
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°	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2
2.5°	3242.0	3288.5	3257.5	3276.9	3245.9	3245.9	3307.9	3273.0	3300.1	3273.0	3245.9
5°	3203.3	3261.4	3222.6	3242.0	3214.9	3218.8	3276.9	3249.8	3276.9	3257.5	3234.3
7.5°	3156.8	3214.9	3180.0	3199.4	3172.3	3180.0	3242.0	3214.9	3245.9	3226.5	3211.0
10°	3094.8	3156.8	3125.8	3145.2	3121.9	3125.8	3187.8	3168.4	3195.5	3183.9	3172.3
12.5°	3056.1	3114.2	3079.3	3098.7	3083.2	3090.9	3149.0	3133.6	3168.4	3156.8	3149.0
15°	3021.2	3075.5	3044.5	3063.8	3052.2	3056.1	3118.1	3102.6	3141.3	3133.6	3129.7
17.5°	2963.1	3021.2	2986.4	3009.6	2998.0	3001.9	3063.8	3052.2	3090.9	3090.9	3087.1
20°	2885.7	2943.8	2916.6	2932.1	2924.4	2932.1	2986.4	2978.6	3017.4	3017.4	3017.4
22.5°	2800.4	2858.5	2827.6	2843.1	2835.3	2846.9	2897.3	2897.3	2928.3	2932.1	2936.0
25°	2703.6	2761.7	2730.7	2750.1	2742.3	2750.1	2796.6	2800.4	2827.6	2827.6	2835.3
27.5°	2587.4	2645.5	2614.5	2630.0	2626.1	2630.0	2680.4	2688.1	2703.6	2707.5	2715.2
30°	2448.0	2502.2	2471.2	2486.7	2486.7	2486.7	2537.1	2540.9	2556.4	2560.3	2568.0
32.5°	2285.3	2331.8	2308.5	2324.0	2320.1	2327.9	2362.8	2378.2	2397.6	2393.7	2397.6
35°	2099.4	2149.7	2126.5	2138.1	2142.0	2153.6	2176.8	2196.2	2200.1	2203.9	2211.7
37.5°	1897.9	1948.3	1925.1	1936.7	1940.6	1963.8	1971.5	1990.9	1998.7	1998.7	1998.7
40°	1704.3	1727.5	1708.2	1719.8	1723.6	1743.0	1750.8	1766.3	1774.0	1770.1	1766.3
42.5°	1495.1	1514.5	1495.1	1506.7	1506.7	1522.2	1526.1	1545.5	1545.5	1537.7	1526.1
45°	1289.8	1309.2	1289.8	1297.6	1297.6	1313.1	1313.1	1313.1	1320.8	1309.2	1289.8
47.5°	1096.2	1115.5	1096.2	1103.9	1100.0	1111.7	1107.8	1111.7	1100.0	1092.3	1069.0
50°	921.9	929.6	921.9	918.0	921.9	929.6	925.7	925.7	910.2	898.6	871.5
52.5°	751.4	763.1	751.4	751.4	751.4	759.2	759.2	755.3	739.8	724.3	697.2
55°	608.1	615.9	612.0	608.1	608.1	615.9	608.1	608.1	592.6	581.0	553.9
57.5°	484.2	488.0	484.2	484.2	484.2	488.0	488.0	480.3	468.7	457.1	437.7
60°	375.7	379.6	379.6	375.7	375.7	383.5	383.5	379.6	368.0	360.2	340.9
62.5°	298.2	298.2	298.2	298.2	298.2	302.1	302.1	302.1	294.4	286.6	271.1
65°	236.3	240.1	236.3	236.3	240.1	244.0	240.1	244.0	236.3	232.4	220.8
67.5°	182.0	185.9	182.0	185.9	185.9	189.8	185.9	189.8	182.0	178.2	170.4
70°	139.4	139.4	139.4	139.4	139.4	143.3	139.4	143.3	139.4	135.6	127.8
72.5°	104.6	104.6	108.5	108.5	104.6	108.5	104.6	104.6	104.6	100.7	96.8
75°	77.5	77.5	81.3	77.5	77.5	77.5	77.5	77.5	73.6	73.6	69.7
77.5°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	50.4	50.4	46.5
80°	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	31.0	31.0
82.5°	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	19.4	19.4
85°	11.6	11.6	11.6	15.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6
87.5°	3.9	3.9	3.9	7.7	3.9	3.9	7.7	7.7	3.9	3.9	3.9
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°	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2
2.5°	3276.9	3288.5	3288.5	3276.9	3304.0	3280.7	3327.2	3284.6	3296.2	3335.0	3331.1
5°	3265.2	3280.7	3284.6	3276.9	3311.7	3292.4	3338.8	3296.2	3315.6	3354.3	3354.3
7.5°	3249.8	3269.1	3276.9	3284.6	3315.6	3296.2	3350.5	3307.9	3335.0	3381.4	3377.6
10°	3214.9	3242.0	3257.5	3269.1	3300.1	3288.5	3346.6	3311.7	3335.0	3389.2	3385.3
12.5°	3195.5	3226.5	3249.8	3269.1	3304.0	3296.2	3354.3	3323.3	3354.3	3408.6	3408.6
15°	3180.0	3214.9	3242.0	3276.9	3311.7	3304.0	3366.0	3338.8	3369.8	3435.7	3431.8
17.5°	3141.3	3183.9	3211.0	3249.8	3284.6	3280.7	3346.6	3327.2	3362.1	3424.1	3427.9
20°	3075.5	3114.2	3145.2	3191.7	3230.4	3222.6	3292.4	3273.0	3307.9	3373.7	3377.6
22.5°	2990.2	3029.0	3060.0	3110.3	3145.2	3141.3	3211.0	3191.7	3226.5	3288.5	3292.4
25°	2889.5	2924.4	2955.4	3001.9	3040.6	3040.6	3102.6	3083.2	3121.9	3183.9	3183.9
27.5°	2765.6	2796.6	2823.7	2877.9	2908.9	2908.9	2967.0	2947.6	2986.4	3040.6	3036.7
30°	2614.5	2641.6	2664.9	2711.4	2738.5	2742.3	2792.7	2773.3	2812.1	2858.5	2858.5
32.5°	2432.5	2459.6	2475.1	2533.2	2552.5	2548.7	2587.4	2568.0	2606.8	2657.1	2645.5
35°	2238.8	2250.4	2262.0	2320.1	2327.9	2312.4	2351.1	2331.8	2358.9	2409.2	2401.5
37.5°	2018.0	2021.9	2021.9	2072.3	2076.1	2064.5	2087.7	2064.5	2083.9	2130.4	2126.5
40°	1774.0	1770.1	1766.3	1805.0	1801.1	1777.9	1793.4	1774.0	1801.1	1836.0	1816.6
42.5°	1526.1	1514.5	1499.0	1518.4	1502.9	1483.5	1491.2	1460.3	1479.6	1506.7	1483.5
45°	1282.1	1258.8	1227.9	1231.7	1212.4	1189.1	1177.5	1146.5	1142.6	1169.8	1150.4
47.5°	1053.6	1007.1	980.0	964.5	933.5	914.1	890.9	856.0	840.5	856.0	836.6
50°	848.3	801.8	766.9	732.1	701.1	677.8	639.1	615.9	592.6	596.5	581.0
52.5°	670.1	639.1	581.0	553.9	522.9	495.8	460.9	433.8	406.7	406.7	391.2
55°	530.7	488.0	449.3	410.6	379.6	356.3	321.5	294.4	267.3	263.4	247.9
57.5°	410.6	379.6	337.0	298.2	278.9	255.6	220.8	189.8	174.3	162.7	151.1
60°	317.6	286.6	251.8	220.8	197.5	182.0	147.2	123.9	108.5	100.7	89.1
62.5°	255.6	228.5	197.5	166.6	151.1	135.6	108.5	89.1	73.6	65.8	58.1
65°	205.3	182.0	158.8	135.6	123.9	108.5	89.1	73.6	62.0	54.2	46.5
67.5°	158.8	143.3	123.9	108.5	96.8	85.2	69.7	58.1	50.4	42.6	38.7
70°	120.1	108.5	96.8	81.3	73.6	65.8	54.2	42.6	38.7	34.9	31.0
72.5°	93.0	81.3	69.7	62.0	54.2	50.4	42.6	34.9	31.0	27.1	23.2
75°	62.0	58.1	50.4	42.6	38.7	34.9	31.0	27.1	23.2	19.4	19.4
77.5°	42.6	38.7	34.9	31.0	27.1	27.1	23.2	19.4	15.5	15.5	11.6
80°	27.1	23.2	23.2	19.4	19.4	19.4	15.5	11.6	11.6	11.6	7.7
82.5°	19.4	15.5	15.5	11.6	11.6	11.6	11.6	7.7	7.7	7.7	3.9
85°	11.6	7.7	7.7	7.7	7.7	7.7	7.7	3.9	3.9	3.9	3.9
87.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	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°	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2
2.5°	3300.1	3335.0	3335.0	3366.0	3369.8	3362.1	3327.2	3327.2	3373.7	3400.8	3354.3
5°	3331.1	3366.0	3366.0	3396.9	3412.4	3400.8	3366.0	3369.8	3416.3	3447.3	3400.8
7.5°	3358.2	3393.1	3400.8	3435.7	3447.3	3435.7	3400.8	3408.6	3458.9	3486.0	3439.5
10°	3369.8	3404.7	3408.6	3447.3	3462.8	3447.3	3420.2	3424.1	3478.3	3497.6	3455.0
12.5°	3396.9	3431.8	3431.8	3474.4	3489.9	3478.3	3443.4	3451.2	3505.4	3524.8	3482.2
15°	3424.1	3458.9	3458.9	3505.4	3524.8	3509.3	3482.2	3486.0	3540.3	3559.6	3524.8
17.5°	3424.1	3455.0	3455.0	3505.4	3524.8	3513.1	3482.2	3486.0	3544.1	3559.6	3524.8
20°	3373.7	3408.6	3400.8	3451.2	3470.5	3458.9	3431.8	3431.8	3489.9	3505.4	3470.5
22.5°	3292.4	3323.3	3315.6	3362.1	3385.3	3369.8	3346.6	3342.7	3400.8	3416.3	3381.4
25°	3180.0	3211.0	3203.3	3249.8	3273.0	3253.6	3226.5	3230.4	3276.9	3300.1	3269.1
27.5°	3048.3	3067.7	3056.1	3102.6	3125.8	3106.4	3079.3	3083.2	3129.7	3145.2	3121.9
30°	2870.2	2885.7	2874.0	2912.8	2928.3	2916.6	2893.4	2893.4	2936.0	2955.4	2932.1
32.5°	2657.1	2668.7	2657.1	2688.1	2719.1	2695.9	2672.6	2672.6	2719.1	2734.6	2707.5
35°	2409.2	2420.9	2413.1	2444.1	2467.3	2436.3	2417.0	2409.2	2471.2	2463.5	2448.0
37.5°	2134.2	2142.0	2118.7	2173.0	2184.6	2149.7	2134.2	2126.5	2180.7	2176.8	2161.3
40°	1824.4	1832.1	1816.6	1855.3	1859.2	1832.1	1820.5	1808.9	1863.1	1859.2	1847.6
42.5°	1495.1	1499.0	1479.6	1510.6	1518.4	1491.2	1487.4	1471.9	1522.2	1514.5	1510.6
45°	1154.3	1154.3	1138.8	1162.0	1169.8	1146.5	1138.8	1134.9	1169.8	1169.8	1162.0
47.5°	836.6	825.0	805.7	840.5	844.4	828.9	825.0	813.4	848.3	848.3	840.5
50°	573.3	569.4	565.5	573.3	577.1	557.8	569.4	557.8	577.1	577.1	577.1
52.5°	383.5	379.6	371.8	379.6	379.6	368.0	368.0	364.1	379.6	379.6	371.8
55°	240.1	236.3	232.4	236.3	236.3	224.7	232.4	224.7	232.4	232.4	228.5
57.5°	147.2	139.4	139.4	135.6	135.6	127.8	131.7	131.7	131.7	131.7	131.7
60°	85.2	81.3	77.5	77.5	77.5	73.6	73.6	73.6	73.6	73.6	73.6
62.5°	54.2	54.2	50.4	50.4	50.4	50.4	50.4	46.5	50.4	50.4	50.4
65°	46.5	42.6	42.6	42.6	42.6	38.7	38.7	38.7	38.7	38.7	38.7
67.5°	38.7	34.9	34.9	34.9	34.9	31.0	31.0	31.0	31.0	31.0	31.0
70°	31.0	27.1	27.1	27.1	27.1	27.1	23.2	27.1	27.1	23.2	23.2
72.5°	23.2	23.2	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
75°	15.5	15.5	15.5	15.5	15.5	11.6	11.6	11.6	11.6	11.6	11.6
77.5°	11.6	11.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
80°	7.7	7.7	7.7	7.7	7.7	3.9	3.9	3.9	3.9	3.9	3.9
82.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
85°	3.9	3.9	3.9	3.9	3.9	0.0	3.9	0.0	3.9	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: P212867

CATALOG NUMBER: LD6B70D010TE EU6B60709027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2
2.5°	3408.6	3369.8	3350.5	3389.2	3404.7	3385.3	3369.8	3342.7	3369.8	3385.3	3404.7
5°	3455.0	3420.2	3404.7	3431.8	3455.0	3435.7	3424.1	3396.9	3424.1	3435.7	3455.0
7.5°	3497.6	3462.8	3443.4	3470.5	3497.6	3470.5	3458.9	3435.7	3458.9	3470.5	3497.6
10°	3513.1	3474.4	3458.9	3482.2	3509.3	3482.2	3466.7	3451.2	3466.7	3482.2	3509.3
12.5°	3540.3	3501.5	3482.2	3501.5	3528.6	3501.5	3486.0	3474.4	3486.0	3501.5	3528.6
15°	3579.0	3544.1	3520.9	3540.3	3575.1	3544.1	3524.8	3520.9	3524.8	3544.1	3575.1
17.5°	3579.0	3551.9	3528.6	3544.1	3579.0	3555.8	3528.6	3536.4	3528.6	3555.8	3579.0
20°	3528.6	3501.5	3482.2	3482.2	3532.5	3501.5	3478.3	3489.9	3478.3	3501.5	3532.5
22.5°	3439.5	3416.3	3396.9	3393.1	3443.4	3416.3	3385.3	3408.6	3385.3	3416.3	3443.4
25°	3323.3	3300.1	3284.6	3276.9	3327.2	3296.2	3269.1	3292.4	3269.1	3296.2	3327.2
27.5°	3172.3	3152.9	3137.4	3125.8	3172.3	3145.2	3118.1	3141.3	3118.1	3145.2	3172.3
30°	2978.6	2967.0	2951.5	2936.0	2982.5	2955.4	2928.3	2959.3	2928.3	2955.4	2982.5
32.5°	2754.0	2746.2	2726.8	2711.4	2757.8	2726.8	2707.5	2730.7	2707.5	2726.8	2757.8
35°	2494.4	2482.8	2471.2	2444.1	2494.4	2467.3	2467.3	2475.1	2467.3	2467.3	2494.4
37.5°	2203.9	2196.2	2180.7	2157.5	2200.1	2180.7	2173.0	2196.2	2173.0	2180.7	2200.1
40°	1878.6	1874.7	1863.1	1836.0	1882.5	1863.1	1851.5	1882.5	1851.5	1863.1	1882.5
42.5°	1537.7	1530.0	1518.4	1514.5	1537.7	1522.2	1533.9	1533.9	1533.9	1522.2	1537.7
45°	1185.3	1177.5	1169.8	1154.3	1181.4	1173.6	1169.8	1177.5	1169.8	1173.6	1181.4
47.5°	859.9	852.1	844.4	832.8	859.9	848.3	848.3	856.0	848.3	848.3	859.9
50°	577.1	581.0	577.1	569.4	577.1	573.3	577.1	584.9	577.1	573.3	577.1
52.5°	383.5	383.5	375.7	371.8	379.6	375.7	387.3	379.6	387.3	375.7	379.6
55°	232.4	236.3	232.4	228.5	232.4	228.5	240.1	236.3	240.1	228.5	232.4
57.5°	131.7	131.7	135.6	131.7	139.4	135.6	135.6	135.6	135.6	135.6	139.4
60°	73.6	73.6	73.6	73.6	73.6	73.6	77.5	73.6	77.5	73.6	73.6
62.5°	50.4	50.4	50.4	46.5	50.4	46.5	50.4	50.4	50.4	46.5	50.4
65°	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
67.5°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
70°	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
72.5°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
75°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
77.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
80°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
82.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	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: P212867

CATALOG NUMBER: LD6B70D010TE EU6B60709027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2
2.5°	3389.2	3350.5	3369.8	3408.6	3354.3	3400.8	3373.7	3327.2	3327.2	3362.1	3369.8
5°	3431.8	3404.7	3420.2	3455.0	3400.8	3447.3	3416.3	3369.8	3366.0	3400.8	3412.4
7.5°	3470.5	3443.4	3462.8	3497.6	3439.5	3486.0	3458.9	3408.6	3400.8	3435.7	3447.3
10°	3482.2	3458.9	3474.4	3513.1	3455.0	3497.6	3478.3	3424.1	3420.2	3447.3	3462.8
12.5°	3501.5	3482.2	3501.5	3540.3	3482.2	3524.8	3505.4	3451.2	3443.4	3478.3	3489.9
15°	3540.3	3520.9	3544.1	3579.0	3524.8	3559.6	3540.3	3486.0	3482.2	3509.3	3524.8
17.5°	3544.1	3528.6	3551.9	3579.0	3524.8	3559.6	3544.1	3486.0	3482.2	3513.1	3524.8
20°	3482.2	3482.2	3501.5	3528.6	3470.5	3505.4	3489.9	3431.8	3431.8	3458.9	3470.5
22.5°	3393.1	3396.9	3416.3	3439.5	3381.4	3416.3	3400.8	3342.7	3346.6	3369.8	3385.3
25°	3276.9	3284.6	3300.1	3323.3	3269.1	3300.1	3276.9	3230.4	3226.5	3253.6	3273.0
27.5°	3125.8	3137.4	3152.9	3172.3	3121.9	3145.2	3129.7	3083.2	3079.3	3106.4	3125.8
30°	2936.0	2951.5	2967.0	2978.6	2932.1	2955.4	2936.0	2893.4	2893.4	2916.6	2928.3
32.5°	2711.4	2726.8	2746.2	2754.0	2707.5	2734.6	2719.1	2672.6	2672.6	2695.9	2719.1
35°	2444.1	2471.2	2482.8	2494.4	2448.0	2463.5	2471.2	2409.2	2417.0	2436.3	2467.3
37.5°	2157.5	2180.7	2196.2	2203.9	2161.3	2176.8	2180.7	2126.5	2134.2	2149.7	2184.6
40°	1836.0	1863.1	1874.7	1878.6	1847.6	1859.2	1863.1	1808.9	1820.5	1832.1	1859.2
42.5°	1514.5	1518.4	1530.0	1537.7	1510.6	1514.5	1522.2	1471.9	1487.4	1491.2	1518.4
45°	1154.3	1169.8	1177.5	1185.3	1162.0	1169.8	1169.8	1134.9	1138.8	1146.5	1169.8
47.5°	832.8	844.4	852.1	859.9	840.5	848.3	848.3	813.4	825.0	828.9	844.4
50°	569.4	577.1	581.0	577.1	577.1	577.1	577.1	557.8	569.4	557.8	577.1
52.5°	371.8	375.7	383.5	383.5	371.8	379.6	379.6	364.1	368.0	368.0	379.6
55°	228.5	232.4	236.3	232.4	228.5	232.4	232.4	224.7	232.4	224.7	236.3
57.5°	131.7	135.6	131.7	131.7	131.7	131.7	131.7	131.7	131.7	127.8	135.6
60°	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	77.5
62.5°	46.5	50.4	50.4	50.4	50.4	50.4	50.4	46.5	50.4	50.4	50.4
65°	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	42.6
67.5°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	34.9
70°	23.2	23.2	23.2	23.2	23.2	23.2	27.1	27.1	23.2	27.1	27.1
72.5°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
75°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	15.5
77.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
80°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	7.7
82.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	3.9	0.0	3.9
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: P212867

CATALOG NUMBER: LD6B70D010TE EU6B60709027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2
2.5°	3366.0	3335.0	3335.0	3300.1	3331.1	3335.0	3296.2	3284.6	3327.2	3280.7	3304.0
5°	3396.9	3366.0	3366.0	3331.1	3354.3	3354.3	3315.6	3296.2	3338.8	3292.4	3311.7
7.5°	3435.7	3400.8	3393.1	3358.2	3377.6	3381.4	3335.0	3307.9	3350.5	3296.2	3315.6
10°	3447.3	3408.6	3404.7	3369.8	3385.3	3389.2	3335.0	3311.7	3346.6	3288.5	3300.1
12.5°	3474.4	3431.8	3431.8	3396.9	3408.6	3408.6	3354.3	3323.3	3354.3	3296.2	3304.0
15°	3505.4	3458.9	3458.9	3424.1	3431.8	3435.7	3369.8	3338.8	3366.0	3304.0	3311.7
17.5°	3505.4	3455.0	3455.0	3424.1	3427.9	3424.1	3362.1	3327.2	3346.6	3280.7	3284.6
20°	3451.2	3400.8	3408.6	3373.7	3377.6	3373.7	3307.9	3273.0	3292.4	3222.6	3230.4
22.5°	3362.1	3315.6	3323.3	3292.4	3292.4	3288.5	3226.5	3191.7	3211.0	3141.3	3145.2
25°	3249.8	3203.3	3211.0	3180.0	3183.9	3183.9	3121.9	3083.2	3102.6	3040.6	3040.6
27.5°	3102.6	3056.1	3067.7	3048.3	3036.7	3040.6	2986.4	2947.6	2967.0	2908.9	2908.9
30°	2912.8	2874.0	2885.7	2870.2	2858.5	2858.5	2812.1	2773.3	2792.7	2742.3	2738.5
32.5°	2688.1	2657.1	2668.7	2657.1	2645.5	2657.1	2606.8	2568.0	2587.4	2548.7	2552.5
35°	2444.1	2413.1	2420.9	2409.2	2401.5	2409.2	2358.9	2331.8	2351.1	2312.4	2327.9
37.5°	2173.0	2118.7	2142.0	2134.2	2126.5	2130.4	2083.9	2064.5	2087.7	2064.5	2076.1
40°	1855.3	1816.6	1832.1	1824.4	1816.6	1836.0	1801.1	1774.0	1793.4	1777.9	1801.1
42.5°	1510.6	1479.6	1499.0	1495.1	1483.5	1506.7	1479.6	1460.3	1491.2	1483.5	1502.9
45°	1162.0	1138.8	1154.3	1154.3	1150.4	1169.8	1142.6	1146.5	1177.5	1189.1	1212.4
47.5°	840.5	805.7	825.0	836.6	836.6	856.0	840.5	856.0	890.9	914.1	933.5
50°	573.3	565.5	569.4	573.3	581.0	596.5	592.6	615.9	639.1	677.8	701.1
52.5°	379.6	371.8	379.6	383.5	391.2	406.7	406.7	433.8	460.9	495.8	522.9
55°	236.3	232.4	236.3	240.1	247.9	263.4	267.3	294.4	321.5	356.3	379.6
57.5°	135.6	139.4	139.4	147.2	151.1	162.7	174.3	189.8	220.8	255.6	278.9
60°	77.5	77.5	81.3	85.2	89.1	100.7	108.5	123.9	147.2	182.0	197.5
62.5°	50.4	50.4	54.2	54.2	58.1	65.8	73.6	89.1	108.5	135.6	151.1
65°	42.6	42.6	42.6	46.5	46.5	54.2	62.0	73.6	89.1	108.5	123.9
67.5°	34.9	34.9	34.9	38.7	38.7	42.6	50.4	58.1	69.7	85.2	96.8
70°	27.1	27.1	27.1	31.0	31.0	34.9	38.7	42.6	54.2	65.8	73.6
72.5°	19.4	19.4	23.2	23.2	23.2	27.1	31.0	34.9	42.6	50.4	54.2
75°	15.5	15.5	15.5	15.5	19.4	19.4	23.2	27.1	31.0	34.9	38.7
77.5°	7.7	7.7	11.6	11.6	11.6	15.5	15.5	19.4	23.2	27.1	27.1
80°	7.7	7.7	7.7	7.7	7.7	11.6	11.6	11.6	15.5	19.4	19.4
82.5°	3.9	3.9	3.9	3.9	3.9	7.7	7.7	7.7	11.6	11.6	11.6
85°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	7.7	7.7	7.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9	3.9	3.9	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212867

CATALOG NUMBER: LD6B70D010TE EU6B60709027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2	3327.2
2.5°	3276.9	3288.5	3288.5	3276.9	3245.9	3273.0	3300.1	3273.0	3307.9	3245.9	3245.9
5°	3276.9	3284.6	3280.7	3265.2	3234.3	3257.5	3276.9	3249.8	3276.9	3218.8	3214.9
7.5°	3284.6	3276.9	3269.1	3249.8	3211.0	3226.5	3245.9	3214.9	3242.0	3180.0	3172.3
10°	3269.1	3257.5	3242.0	3214.9	3172.3	3183.9	3195.5	3168.4	3187.8	3125.8	3121.9
12.5°	3269.1	3249.8	3226.5	3195.5	3149.0	3156.8	3168.4	3133.6	3149.0	3090.9	3083.2
15°	3276.9	3242.0	3214.9	3180.0	3129.7	3133.6	3141.3	3102.6	3118.1	3056.1	3052.2
17.5°	3249.8	3211.0	3183.9	3141.3	3087.1	3090.9	3090.9	3052.2	3063.8	3001.9	2998.0
20°	3191.7	3145.2	3114.2	3075.5	3017.4	3017.4	3017.4	2978.6	2986.4	2932.1	2924.4
22.5°	3110.3	3060.0	3029.0	2990.2	2936.0	2932.1	2928.3	2897.3	2897.3	2846.9	2835.3
25°	3001.9	2955.4	2924.4	2889.5	2835.3	2827.6	2827.6	2800.4	2796.6	2750.1	2742.3
27.5°	2877.9	2823.7	2796.6	2765.6	2715.2	2707.5	2703.6	2688.1	2680.4	2630.0	2626.1
30°	2711.4	2664.9	2641.6	2614.5	2568.0	2560.3	2556.4	2540.9	2537.1	2486.7	2486.7
32.5°	2533.2	2475.1	2459.6	2432.5	2397.6	2393.7	2397.6	2378.2	2362.8	2327.9	2320.1
35°	2320.1	2262.0	2250.4	2238.8	2211.7	2203.9	2200.1	2196.2	2176.8	2153.6	2142.0
37.5°	2072.3	2021.9	2021.9	2018.0	1998.7	1998.7	1998.7	1990.9	1971.5	1963.8	1940.6
40°	1805.0	1766.3	1770.1	1774.0	1766.3	1770.1	1774.0	1766.3	1750.8	1743.0	1723.6
42.5°	1518.4	1499.0	1514.5	1526.1	1526.1	1537.7	1545.5	1545.5	1526.1	1522.2	1506.7
45°	1231.7	1227.9	1258.8	1282.1	1289.8	1309.2	1320.8	1313.1	1313.1	1313.1	1297.6
47.5°	964.5	980.0	1007.1	1053.6	1069.0	1092.3	1100.0	1111.7	1107.8	1111.7	1100.0
50°	732.1	766.9	801.8	848.3	871.5	898.6	910.2	925.7	925.7	929.6	921.9
52.5°	553.9	581.0	639.1	670.1	697.2	724.3	739.8	755.3	759.2	759.2	751.4
55°	410.6	449.3	488.0	530.7	553.9	581.0	592.6	608.1	608.1	615.9	608.1
57.5°	298.2	337.0	379.6	410.6	437.7	457.1	468.7	480.3	488.0	488.0	484.2
60°	220.8	251.8	286.6	317.6	340.9	360.2	368.0	379.6	383.5	383.5	375.7
62.5°	166.6	197.5	228.5	255.6	271.1	286.6	294.4	302.1	302.1	302.1	298.2
65°	135.6	158.8	182.0	205.3	220.8	232.4	236.3	244.0	240.1	244.0	240.1
67.5°	108.5	123.9	143.3	158.8	170.4	178.2	182.0	189.8	185.9	189.8	185.9
70°	81.3	96.8	108.5	120.1	127.8	135.6	139.4	143.3	139.4	143.3	139.4
72.5°	62.0	69.7	81.3	93.0	96.8	100.7	104.6	104.6	104.6	108.5	104.6
75°	42.6	50.4	58.1	62.0	69.7	73.6	73.6	77.5	77.5	77.5	77.5
77.5°	31.0	34.9	38.7	42.6	46.5	50.4	50.4	54.2	54.2	54.2	54.2
80°	19.4	23.2	23.2	27.1	31.0	31.0	34.9	34.9	34.9	34.9	34.9
82.5°	11.6	15.5	15.5	19.4	19.4	19.4	23.2	23.2	23.2	23.2	23.2
85°	7.7	7.7	7.7	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
87.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	7.7	7.7	3.9	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212867

CATALOG NUMBER: LD6B70D010TE EU6B60709027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3327.2	3327.2	3327.2	3327.2
2.5°	3276.9	3257.5	3288.5	3242.0
5°	3242.0	3222.6	3261.4	3203.3
7.5°	3199.4	3180.0	3214.9	3156.8
10°	3145.2	3125.8	3156.8	3094.8
12.5°	3098.7	3079.3	3114.2	3056.1
15°	3063.8	3044.5	3075.5	3021.2
17.5°	3009.6	2986.4	3021.2	2963.1
20°	2932.1	2916.6	2943.8	2885.7
22.5°	2843.1	2827.6	2858.5	2800.4
25°	2750.1	2730.7	2761.7	2703.6
27.5°	2630.0	2614.5	2645.5	2587.4
30°	2486.7	2471.2	2502.2	2448.0
32.5°	2324.0	2308.5	2331.8	2285.3
35°	2138.1	2126.5	2149.7	2099.4
37.5°	1936.7	1925.1	1948.3	1897.9
40°	1719.8	1708.2	1727.5	1704.3
42.5°	1506.7	1495.1	1514.5	1495.1
45°	1297.6	1289.8	1309.2	1289.8
47.5°	1103.9	1096.2	1115.5	1096.2
50°	918.0	921.9	929.6	921.9
52.5°	751.4	751.4	763.1	751.4
55°	608.1	612.0	615.9	608.1
57.5°	484.2	484.2	488.0	484.2
60°	375.7	379.6	379.6	375.7
62.5°	298.2	298.2	298.2	298.2
65°	236.3	236.3	240.1	236.3
67.5°	185.9	182.0	185.9	182.0
70°	139.4	139.4	139.4	139.4
72.5°	108.5	108.5	104.6	104.6
75°	77.5	81.3	77.5	77.5
77.5°	54.2	54.2	54.2	54.2
80°	34.9	34.9	34.9	34.9
82.5°	23.2	23.2	23.2	23.2
85°	15.5	11.6	11.6	11.6
87.5°	7.7	3.9	3.9	3.9
90°	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°





















(END OF REPORT)