

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: P212872

Luminaire Tested: **LD6B70D010TE EU6B60709727 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212872
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 EU6B60709727 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4837.5 lumens
Efficiency: N/A
Efficacy: 60.9 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

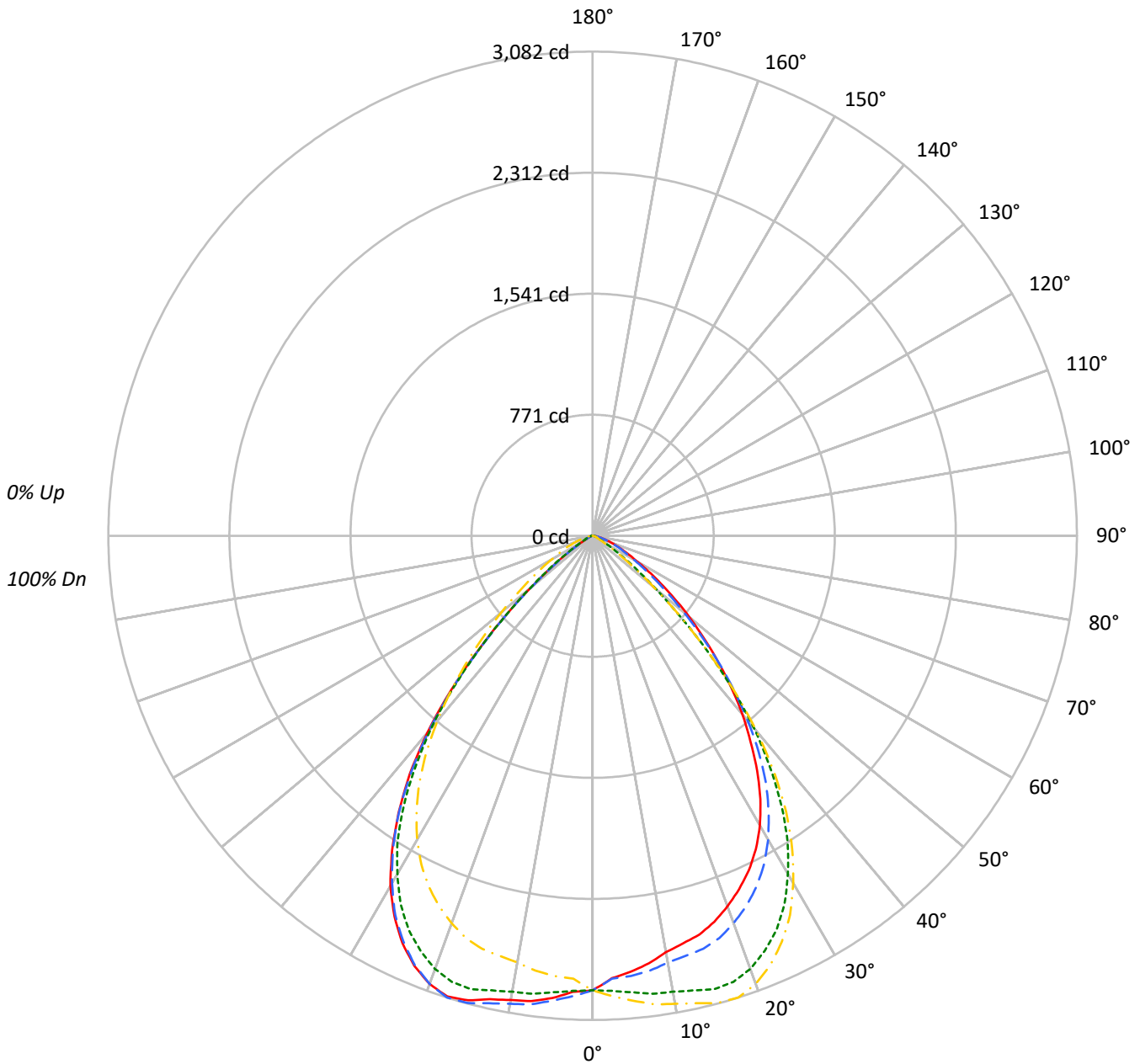
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	158611	158611	158611	158611
5°	153290	160516	162557	160516
10°	149808	164058	167059	164058
15°	149104	169558	173764	169558
20°	146394	171153	177045	171153
25°	142206	167471	173175	167471
30°	134749	157353	162898	157353
35°	122175	140211	144039	140211
40°	106056	114257	117148	114257
45°	86955	78861	79388	78861
50°	68364	44237	43376	44237
55°	50541	21887	19641	21887
60°	35819	9604	7017	9604
65°	26657	6123	4371	6123
70°	19442	4857	3238	4857
75°	14276	3558	2139	3558
80°	9566	3189	1073	3189
85°	6353	2139	2139	2139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.0	5.7
10°-20°	820.4	17.0
20°-30°	1224.2	25.3
30°-40°	1257.8	26.0
40°-50°	814.5	16.8
50°-60°	302.9	6.3
60°-70°	99.4	2.1
70°-80°	35.1	0.7
80°-90°	6.3	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°	2321.6	48.0
0°-40°	3579.3	74.0
0°-60°	4696.7	97.1
0°-90°	4837.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4837.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2893	2893	2893	2893	2893	
5°	2786	2917	2954	2917	2786	263
15°	2627	2988	3062	2988	2627	739
25°	2351	2769	2863	2769	2351	1077
35°	1826	2095	2152	2095	1826	1133
45°	1122	1017	1024	1017	1122	867
55°	529	229	206	229	529	482
65°	206	47	34	47	206	209
75°	67	17	10	17	67	74
85°	10	3	3	3	10	13
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°	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3
2.5°	2819.2	2859.7	2832.7	2849.5	2822.6	2822.6	2876.5	2846.2	2869.8	2846.2	2822.6
5°	2785.6	2836.1	2802.4	2819.2	2795.7	2799.0	2849.5	2826.0	2849.5	2832.7	2812.5
7.5°	2745.1	2795.7	2765.3	2782.2	2758.6	2765.3	2819.2	2795.7	2822.6	2805.8	2792.3
10°	2691.2	2745.1	2718.2	2735.0	2714.8	2718.2	2772.1	2755.2	2778.8	2768.7	2758.6
12.5°	2657.6	2708.1	2677.8	2694.6	2681.1	2687.9	2738.4	2724.9	2755.2	2745.1	2738.4
15°	2627.2	2674.4	2647.5	2664.3	2654.2	2657.6	2711.5	2698.0	2731.7	2724.9	2721.6
17.5°	2576.7	2627.2	2596.9	2617.1	2607.0	2610.4	2664.3	2654.2	2687.9	2687.9	2684.5
20°	2509.4	2559.9	2536.3	2549.8	2543.0	2549.8	2596.9	2590.2	2623.9	2623.9	2623.9
22.5°	2435.3	2485.8	2458.8	2472.3	2465.6	2475.7	2519.5	2519.5	2546.4	2549.8	2553.1
25°	2351.0	2401.6	2374.6	2391.5	2384.7	2391.5	2431.9	2435.3	2458.8	2458.8	2465.6
27.5°	2250.0	2300.5	2273.6	2287.0	2283.7	2287.0	2330.8	2337.6	2351.0	2354.4	2361.2
30°	2128.7	2175.9	2149.0	2162.4	2162.4	2162.4	2206.2	2209.6	2223.1	2226.4	2233.2
32.5°	1987.3	2027.7	2007.5	2021.0	2017.6	2024.3	2054.6	2068.1	2085.0	2081.6	2085.0
35°	1825.6	1869.4	1849.2	1859.3	1862.6	1872.8	1893.0	1909.8	1913.2	1916.5	1923.3
37.5°	1650.4	1694.2	1674.0	1684.1	1687.5	1707.7	1714.4	1731.3	1738.0	1738.0	1738.0
40°	1482.0	1502.2	1485.4	1495.5	1498.9	1515.7	1522.5	1535.9	1542.7	1539.3	1535.9
42.5°	1300.1	1317.0	1300.1	1310.3	1310.3	1323.7	1327.1	1343.9	1343.9	1337.2	1327.1
45°	1121.6	1138.5	1121.6	1128.4	1128.4	1141.8	1141.8	1141.8	1148.6	1138.5	1121.6
47.5°	953.2	970.1	953.2	960.0	956.6	966.7	963.3	966.7	956.6	949.8	929.6
50°	801.6	808.4	801.6	798.3	801.6	808.4	805.0	805.0	791.5	781.4	757.9
52.5°	653.4	663.5	653.4	653.4	653.4	660.2	660.2	656.8	643.3	629.9	606.3
55°	528.8	535.6	532.2	528.8	528.8	535.6	528.8	528.8	515.3	505.2	481.7
57.5°	421.0	424.4	421.0	421.0	421.0	424.4	424.4	417.7	407.6	397.5	380.6
60°	326.7	330.1	330.1	326.7	326.7	333.5	333.5	330.1	320.0	313.2	296.4
62.5°	259.4	259.4	259.4	259.4	259.4	262.7	262.7	262.7	256.0	249.3	235.8
65°	205.5	208.8	205.5	205.5	208.8	212.2	208.8	212.2	205.5	202.1	192.0
67.5°	158.3	161.7	158.3	161.7	161.7	165.0	161.7	165.0	158.3	154.9	148.2
70°	121.3	121.3	121.3	121.3	121.3	124.6	121.3	124.6	121.3	117.9	111.2
72.5°	90.9	90.9	94.3	94.3	90.9	94.3	90.9	90.9	90.9	87.6	84.2
75°	67.4	67.4	70.7	67.4	67.4	67.4	67.4	67.4	64.0	64.0	60.6
77.5°	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	43.8	43.8	40.4
80°	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	26.9	26.9
82.5°	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	16.8	16.8
85°	10.1	10.1	10.1	13.5	10.1	10.1	10.1	10.1	10.1	10.1	10.1
87.5°	3.4	3.4	3.4	6.7	3.4	3.4	6.7	6.7	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3
2.5°	2849.5	2859.7	2859.7	2849.5	2873.1	2852.9	2893.3	2856.3	2866.4	2900.1	2896.7
5°	2839.4	2852.9	2856.3	2849.5	2879.9	2863.0	2903.4	2866.4	2883.2	2916.9	2916.9
7.5°	2826.0	2842.8	2849.5	2856.3	2883.2	2866.4	2913.5	2876.5	2900.1	2940.5	2937.1
10°	2795.7	2819.2	2832.7	2842.8	2869.8	2859.7	2910.2	2879.9	2900.1	2947.2	2943.9
12.5°	2778.8	2805.8	2826.0	2842.8	2873.1	2866.4	2916.9	2890.0	2916.9	2964.1	2964.1
15°	2765.3	2795.7	2819.2	2849.5	2879.9	2873.1	2927.0	2903.4	2930.4	2987.6	2984.3
17.5°	2731.7	2768.7	2792.3	2826.0	2856.3	2852.9	2910.2	2893.3	2923.7	2977.5	2980.9
20°	2674.4	2708.1	2735.0	2775.4	2809.1	2802.4	2863.0	2846.2	2876.5	2933.8	2937.1
22.5°	2600.3	2634.0	2660.9	2704.7	2735.0	2731.7	2792.3	2775.4	2805.8	2859.7	2863.0
25°	2512.7	2543.0	2570.0	2610.4	2644.1	2644.1	2698.0	2681.1	2714.8	2768.7	2768.7
27.5°	2404.9	2431.9	2455.5	2502.6	2529.6	2529.6	2580.1	2563.2	2596.9	2644.1	2640.7
30°	2273.6	2297.2	2317.4	2357.8	2381.4	2384.7	2428.5	2411.7	2445.4	2485.8	2485.8
32.5°	2115.3	2138.8	2152.3	2202.8	2219.7	2216.3	2250.0	2233.2	2266.8	2310.6	2300.5
35°	1946.9	1957.0	1967.1	2017.6	2024.3	2010.9	2044.5	2027.7	2051.3	2095.1	2088.3
37.5°	1754.9	1758.2	1758.2	1802.0	1805.4	1795.3	1815.5	1795.3	1812.1	1852.5	1849.2
40°	1542.7	1539.3	1535.9	1569.6	1566.2	1546.0	1559.5	1542.7	1566.2	1596.6	1579.7
42.5°	1327.1	1317.0	1303.5	1320.4	1306.9	1290.0	1296.8	1269.8	1286.7	1310.3	1290.0
45°	1114.9	1094.7	1067.7	1071.1	1054.3	1034.1	1024.0	997.0	993.6	1017.2	1000.4
47.5°	916.2	875.7	852.2	838.7	811.8	794.9	774.7	744.4	730.9	744.4	727.5
50°	737.6	697.2	666.9	636.6	609.7	589.4	555.8	535.6	515.3	518.7	505.2
52.5°	582.7	555.8	505.2	481.7	454.7	431.1	400.8	377.2	353.7	353.7	340.2
55°	461.5	424.4	390.7	357.0	330.1	309.9	279.6	256.0	232.4	229.0	215.6
57.5°	357.0	330.1	293.0	259.4	242.5	222.3	192.0	165.0	151.6	141.5	131.4
60°	276.2	249.3	218.9	192.0	171.8	158.3	128.0	107.8	94.3	87.6	77.5
62.5°	222.3	198.7	171.8	144.8	131.4	117.9	94.3	77.5	64.0	57.3	50.5
65°	178.5	158.3	138.1	117.9	107.8	94.3	77.5	64.0	53.9	47.2	40.4
67.5°	138.1	124.6	107.8	94.3	84.2	74.1	60.6	50.5	43.8	37.1	33.7
70°	104.4	94.3	84.2	70.7	64.0	57.3	47.2	37.1	33.7	30.3	26.9
72.5°	80.8	70.7	60.6	53.9	47.2	43.8	37.1	30.3	26.9	23.6	20.2
75°	53.9	50.5	43.8	37.1	33.7	30.3	26.9	23.6	20.2	16.8	16.8
77.5°	37.1	33.7	30.3	26.9	23.6	23.6	20.2	16.8	13.5	13.5	10.1
80°	23.6	20.2	20.2	16.8	16.8	16.8	13.5	10.1	10.1	10.1	6.7
82.5°	16.8	13.5	13.5	10.1	10.1	10.1	10.1	6.7	6.7	6.7	3.4
85°	10.1	6.7	6.7	6.7	6.7	6.7	6.7	3.4	3.4	3.4	3.4
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3
2.5°	2869.8	2900.1	2900.1	2927.0	2930.4	2923.7	2893.3	2893.3	2933.8	2957.3	2916.9
5°	2896.7	2927.0	2927.0	2954.0	2967.4	2957.3	2927.0	2930.4	2970.8	2997.8	2957.3
7.5°	2920.3	2950.6	2957.3	2987.6	2997.8	2987.6	2957.3	2964.1	3007.9	3031.4	2991.0
10°	2930.4	2960.7	2964.1	2997.8	3011.2	2997.8	2974.2	2977.5	3024.7	3041.5	3004.5
12.5°	2954.0	2984.3	2984.3	3021.3	3034.8	3024.7	2994.4	3001.1	3048.3	3065.1	3028.1
15°	2977.5	3007.9	3007.9	3048.3	3065.1	3051.6	3028.1	3031.4	3078.6	3095.4	3065.1
17.5°	2977.5	3004.5	3004.5	3048.3	3065.1	3055.0	3028.1	3031.4	3082.0	3095.4	3065.1
20°	2933.8	2964.1	2957.3	3001.1	3018.0	3007.9	2984.3	2984.3	3034.8	3048.3	3018.0
22.5°	2863.0	2890.0	2883.2	2923.7	2943.9	2930.4	2910.2	2906.8	2957.3	2970.8	2940.5
25°	2765.3	2792.3	2785.6	2826.0	2846.2	2829.3	2805.8	2809.1	2849.5	2869.8	2842.8
27.5°	2650.8	2667.7	2657.6	2698.0	2718.2	2701.3	2677.8	2681.1	2721.6	2735.0	2714.8
30°	2495.9	2509.4	2499.2	2532.9	2546.4	2536.3	2516.1	2516.1	2553.1	2570.0	2549.8
32.5°	2310.6	2320.7	2310.6	2337.6	2364.5	2344.3	2324.1	2324.1	2364.5	2378.0	2354.4
35°	2095.1	2105.2	2098.4	2125.4	2145.6	2118.6	2101.8	2095.1	2149.0	2142.2	2128.7
37.5°	1855.9	1862.6	1842.4	1889.6	1899.7	1869.4	1855.9	1849.2	1896.3	1893.0	1879.5
40°	1586.5	1593.2	1579.7	1613.4	1616.8	1593.2	1583.1	1573.0	1620.1	1616.8	1606.7
42.5°	1300.1	1303.5	1286.7	1313.6	1320.4	1296.8	1293.4	1279.9	1323.7	1317.0	1313.6
45°	1003.7	1003.7	990.3	1010.5	1017.2	997.0	990.3	986.9	1017.2	1017.2	1010.5
47.5°	727.5	717.4	700.6	730.9	734.3	720.8	717.4	707.3	737.6	737.6	730.9
50°	498.5	495.1	491.8	498.5	501.9	485.0	495.1	485.0	501.9	501.9	501.9
52.5°	333.5	330.1	323.4	330.1	330.1	320.0	320.0	316.6	330.1	330.1	323.4
55°	208.8	205.5	202.1	205.5	205.5	195.4	202.1	195.4	202.1	202.1	198.7
57.5°	128.0	121.3	121.3	117.9	117.9	111.2	114.5	114.5	114.5	114.5	114.5
60°	74.1	70.7	67.4	67.4	67.4	64.0	64.0	64.0	64.0	64.0	64.0
62.5°	47.2	47.2	43.8	43.8	43.8	43.8	43.8	40.4	43.8	43.8	43.8
65°	40.4	37.1	37.1	37.1	37.1	33.7	33.7	33.7	33.7	33.7	33.7
67.5°	33.7	30.3	30.3	30.3	30.3	26.9	26.9	26.9	26.9	26.9	26.9
70°	26.9	23.6	23.6	23.6	23.6	23.6	20.2	23.6	23.6	20.2	20.2
72.5°	20.2	20.2	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
75°	13.5	13.5	13.5	13.5	13.5	10.1	10.1	10.1	10.1	10.1	10.1
77.5°	10.1	10.1	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
80°	6.7	6.7	6.7	6.7	6.7	3.4	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	0.0	3.4	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212872

CATALOG NUMBER: LD6B70D010TE EU6B60709727 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3
2.5°	2964.1	2930.4	2913.5	2947.2	2960.7	2943.9	2930.4	2906.8	2930.4	2943.9	2960.7
5°	3004.5	2974.2	2960.7	2984.3	3004.5	2987.6	2977.5	2954.0	2977.5	2987.6	3004.5
7.5°	3041.5	3011.2	2994.4	3018.0	3041.5	3018.0	3007.9	2987.6	3007.9	3018.0	3041.5
10°	3055.0	3021.3	3007.9	3028.1	3051.6	3028.1	3014.6	3001.1	3014.6	3028.1	3051.6
12.5°	3078.6	3044.9	3028.1	3044.9	3068.5	3044.9	3031.4	3021.3	3031.4	3044.9	3068.5
15°	3112.3	3082.0	3061.7	3078.6	3108.9	3082.0	3065.1	3061.7	3065.1	3082.0	3108.9
17.5°	3112.3	3088.7	3068.5	3082.0	3112.3	3092.1	3068.5	3075.2	3068.5	3092.1	3112.3
20°	3068.5	3044.9	3028.1	3028.1	3071.9	3044.9	3024.7	3034.8	3024.7	3044.9	3071.9
22.5°	2991.0	2970.8	2954.0	2950.6	2994.4	2970.8	2943.9	2964.1	2943.9	2970.8	2994.4
25°	2890.0	2869.8	2856.3	2849.5	2893.3	2866.4	2842.8	2863.0	2842.8	2866.4	2893.3
27.5°	2758.6	2741.8	2728.3	2718.2	2758.6	2735.0	2711.5	2731.7	2711.5	2735.0	2758.6
30°	2590.2	2580.1	2566.6	2553.1	2593.6	2570.0	2546.4	2573.4	2546.4	2570.0	2593.6
32.5°	2394.8	2388.1	2371.3	2357.8	2398.2	2371.3	2354.4	2374.6	2354.4	2371.3	2398.2
35°	2169.2	2159.1	2149.0	2125.4	2169.2	2145.6	2145.6	2152.3	2145.6	2145.6	2169.2
37.5°	1916.5	1909.8	1896.3	1876.1	1913.2	1896.3	1889.6	1909.8	1889.6	1896.3	1913.2
40°	1633.6	1630.2	1620.1	1596.6	1637.0	1620.1	1610.0	1637.0	1610.0	1620.1	1637.0
42.5°	1337.2	1330.5	1320.4	1317.0	1337.2	1323.7	1333.8	1333.8	1333.8	1323.7	1337.2
45°	1030.7	1024.0	1017.2	1003.7	1027.3	1020.6	1017.2	1024.0	1017.2	1020.6	1027.3
47.5°	747.8	741.0	734.3	724.2	747.8	737.6	737.6	744.4	737.6	737.6	747.8
50°	501.9	505.2	501.9	495.1	501.9	498.5	501.9	508.6	501.9	498.5	501.9
52.5°	333.5	333.5	326.7	323.4	330.1	326.7	336.8	330.1	336.8	326.7	330.1
55°	202.1	205.5	202.1	198.7	202.1	198.7	208.8	205.5	208.8	198.7	202.1
57.5°	114.5	114.5	117.9	114.5	121.3	117.9	117.9	117.9	117.9	117.9	121.3
60°	64.0	64.0	64.0	64.0	64.0	64.0	67.4	64.0	67.4	64.0	64.0
62.5°	43.8	43.8	43.8	40.4	43.8	40.4	43.8	43.8	43.8	40.4	43.8
65°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
67.5°	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
70°	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
72.5°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
75°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
77.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
80°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212872

CATALOG NUMBER: LD6B70D010TE EU6B60709727 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3
2.5°	2947.2	2913.5	2930.4	2964.1	2916.9	2957.3	2933.8	2893.3	2893.3	2923.7	2930.4
5°	2984.3	2960.7	2974.2	3004.5	2957.3	2997.8	2970.8	2930.4	2927.0	2957.3	2967.4
7.5°	3018.0	2994.4	3011.2	3041.5	2991.0	3031.4	3007.9	2964.1	2957.3	2987.6	2997.8
10°	3028.1	3007.9	3021.3	3055.0	3004.5	3041.5	3024.7	2977.5	2974.2	2997.8	3011.2
12.5°	3044.9	3028.1	3044.9	3078.6	3028.1	3065.1	3048.3	3001.1	2994.4	3024.7	3034.8
15°	3078.6	3061.7	3082.0	3112.3	3065.1	3095.4	3078.6	3031.4	3028.1	3051.6	3065.1
17.5°	3082.0	3068.5	3088.7	3112.3	3065.1	3095.4	3082.0	3031.4	3028.1	3055.0	3065.1
20°	3028.1	3028.1	3044.9	3068.5	3018.0	3048.3	3034.8	2984.3	2984.3	3007.9	3018.0
22.5°	2950.6	2954.0	2970.8	2991.0	2940.5	2970.8	2957.3	2906.8	2910.2	2930.4	2943.9
25°	2849.5	2856.3	2869.8	2890.0	2842.8	2869.8	2849.5	2809.1	2805.8	2829.3	2846.2
27.5°	2718.2	2728.3	2741.8	2758.6	2714.8	2735.0	2721.6	2681.1	2677.8	2701.3	2718.2
30°	2553.1	2566.6	2580.1	2590.2	2549.8	2570.0	2553.1	2516.1	2516.1	2536.3	2546.4
32.5°	2357.8	2371.3	2388.1	2394.8	2354.4	2378.0	2364.5	2324.1	2324.1	2344.3	2364.5
35°	2125.4	2149.0	2159.1	2169.2	2128.7	2142.2	2149.0	2095.1	2101.8	2118.6	2145.6
37.5°	1876.1	1896.3	1909.8	1916.5	1879.5	1893.0	1896.3	1849.2	1855.9	1869.4	1899.7
40°	1596.6	1620.1	1630.2	1633.6	1606.7	1616.8	1620.1	1573.0	1583.1	1593.2	1616.8
42.5°	1317.0	1320.4	1330.5	1337.2	1313.6	1317.0	1323.7	1279.9	1293.4	1296.8	1320.4
45°	1003.7	1017.2	1024.0	1030.7	1010.5	1017.2	1017.2	986.9	990.3	997.0	1017.2
47.5°	724.2	734.3	741.0	747.8	730.9	737.6	737.6	707.3	717.4	720.8	734.3
50°	495.1	501.9	505.2	501.9	501.9	501.9	501.9	485.0	495.1	485.0	501.9
52.5°	323.4	326.7	333.5	333.5	323.4	330.1	330.1	316.6	320.0	320.0	330.1
55°	198.7	202.1	205.5	202.1	198.7	202.1	202.1	195.4	202.1	195.4	205.5
57.5°	114.5	117.9	114.5	114.5	114.5	114.5	114.5	114.5	114.5	111.2	117.9
60°	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	67.4
62.5°	40.4	43.8	43.8	43.8	43.8	43.8	43.8	40.4	43.8	43.8	43.8
65°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	37.1
67.5°	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	30.3
70°	20.2	20.2	20.2	20.2	20.2	20.2	23.6	23.6	20.2	23.6	23.6
72.5°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
75°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	13.5
77.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
80°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.7
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	3.4	0.0	3.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212872

CATALOG NUMBER: LD6B70D010TE EU6B60709727 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3
2.5°	2927.0	2900.1	2900.1	2869.8	2896.7	2900.1	2866.4	2856.3	2893.3	2852.9	2873.1
5°	2954.0	2927.0	2927.0	2896.7	2916.9	2916.9	2883.2	2866.4	2903.4	2863.0	2879.9
7.5°	2987.6	2957.3	2950.6	2920.3	2937.1	2940.5	2900.1	2876.5	2913.5	2866.4	2883.2
10°	2997.8	2964.1	2960.7	2930.4	2943.9	2947.2	2900.1	2879.9	2910.2	2859.7	2869.8
12.5°	3021.3	2984.3	2984.3	2954.0	2964.1	2964.1	2916.9	2890.0	2916.9	2866.4	2873.1
15°	3048.3	3007.9	3007.9	2977.5	2984.3	2987.6	2930.4	2903.4	2927.0	2873.1	2879.9
17.5°	3048.3	3004.5	3004.5	2977.5	2980.9	2977.5	2923.7	2893.3	2910.2	2852.9	2856.3
20°	3001.1	2957.3	2964.1	2933.8	2937.1	2933.8	2876.5	2846.2	2863.0	2802.4	2809.1
22.5°	2923.7	2883.2	2890.0	2863.0	2863.0	2859.7	2805.8	2775.4	2792.3	2731.7	2735.0
25°	2826.0	2785.6	2792.3	2765.3	2768.7	2768.7	2714.8	2681.1	2698.0	2644.1	2644.1
27.5°	2698.0	2657.6	2667.7	2650.8	2640.7	2644.1	2596.9	2563.2	2580.1	2529.6	2529.6
30°	2532.9	2499.2	2509.4	2495.9	2485.8	2485.8	2445.4	2411.7	2428.5	2384.7	2381.4
32.5°	2337.6	2310.6	2320.7	2310.6	2300.5	2310.6	2266.8	2233.2	2250.0	2216.3	2219.7
35°	2125.4	2098.4	2105.2	2095.1	2088.3	2095.1	2051.3	2027.7	2044.5	2010.9	2024.3
37.5°	1889.6	1842.4	1862.6	1855.9	1849.2	1852.5	1812.1	1795.3	1815.5	1795.3	1805.4
40°	1613.4	1579.7	1593.2	1586.5	1579.7	1596.6	1566.2	1542.7	1559.5	1546.0	1566.2
42.5°	1313.6	1286.7	1303.5	1300.1	1290.0	1310.3	1286.7	1269.8	1296.8	1290.0	1306.9
45°	1010.5	990.3	1003.7	1003.7	1000.4	1017.2	993.6	997.0	1024.0	1034.1	1054.3
47.5°	730.9	700.6	717.4	727.5	727.5	744.4	730.9	744.4	774.7	794.9	811.8
50°	498.5	491.8	495.1	498.5	505.2	518.7	515.3	535.6	555.8	589.4	609.7
52.5°	330.1	323.4	330.1	333.5	340.2	353.7	353.7	377.2	400.8	431.1	454.7
55°	205.5	202.1	205.5	208.8	215.6	229.0	232.4	256.0	279.6	309.9	330.1
57.5°	117.9	121.3	121.3	128.0	131.4	141.5	151.6	165.0	192.0	222.3	242.5
60°	67.4	67.4	70.7	74.1	77.5	87.6	94.3	107.8	128.0	158.3	171.8
62.5°	43.8	43.8	47.2	47.2	50.5	57.3	64.0	77.5	94.3	117.9	131.4
65°	37.1	37.1	37.1	40.4	40.4	47.2	53.9	64.0	77.5	94.3	107.8
67.5°	30.3	30.3	30.3	33.7	33.7	37.1	43.8	50.5	60.6	74.1	84.2
70°	23.6	23.6	23.6	26.9	26.9	30.3	33.7	37.1	47.2	57.3	64.0
72.5°	16.8	16.8	20.2	20.2	20.2	23.6	26.9	30.3	37.1	43.8	47.2
75°	13.5	13.5	13.5	13.5	16.8	16.8	20.2	23.6	26.9	30.3	33.7
77.5°	6.7	6.7	10.1	10.1	10.1	13.5	13.5	16.8	20.2	23.6	23.6
80°	6.7	6.7	6.7	6.7	6.7	10.1	10.1	10.1	13.5	16.8	16.8
82.5°	3.4	3.4	3.4	3.4	3.4	6.7	6.7	6.7	10.1	10.1	10.1
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.7	6.7	6.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212872

CATALOG NUMBER: LD6B70D010TE EU6B60709727 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3	2893.3
2.5°	2849.5	2859.7	2859.7	2849.5	2822.6	2846.2	2869.8	2846.2	2876.5	2822.6	2822.6
5°	2849.5	2856.3	2852.9	2839.4	2812.5	2832.7	2849.5	2826.0	2849.5	2799.0	2795.7
7.5°	2856.3	2849.5	2842.8	2826.0	2792.3	2805.8	2822.6	2795.7	2819.2	2765.3	2758.6
10°	2842.8	2832.7	2819.2	2795.7	2758.6	2768.7	2778.8	2755.2	2772.1	2718.2	2714.8
12.5°	2842.8	2826.0	2805.8	2778.8	2738.4	2745.1	2755.2	2724.9	2738.4	2687.9	2681.1
15°	2849.5	2819.2	2795.7	2765.3	2721.6	2724.9	2731.7	2698.0	2711.5	2657.6	2654.2
17.5°	2826.0	2792.3	2768.7	2731.7	2684.5	2687.9	2687.9	2654.2	2664.3	2610.4	2607.0
20°	2775.4	2735.0	2708.1	2674.4	2623.9	2623.9	2623.9	2590.2	2596.9	2549.8	2543.0
22.5°	2704.7	2660.9	2634.0	2600.3	2553.1	2549.8	2546.4	2519.5	2519.5	2475.7	2465.6
25°	2610.4	2570.0	2543.0	2512.7	2465.6	2458.8	2458.8	2435.3	2431.9	2391.5	2384.7
27.5°	2502.6	2455.5	2431.9	2404.9	2361.2	2354.4	2351.0	2337.6	2330.8	2287.0	2283.7
30°	2357.8	2317.4	2297.2	2273.6	2233.2	2226.4	2223.1	2209.6	2206.2	2162.4	2162.4
32.5°	2202.8	2152.3	2138.8	2115.3	2085.0	2081.6	2085.0	2068.1	2054.6	2024.3	2017.6
35°	2017.6	1967.1	1957.0	1946.9	1923.3	1916.5	1913.2	1909.8	1893.0	1872.8	1862.6
37.5°	1802.0	1758.2	1758.2	1754.9	1738.0	1738.0	1738.0	1731.3	1714.4	1707.7	1687.5
40°	1569.6	1535.9	1539.3	1542.7	1535.9	1539.3	1542.7	1535.9	1522.5	1515.7	1498.9
42.5°	1320.4	1303.5	1317.0	1327.1	1327.1	1337.2	1343.9	1343.9	1327.1	1323.7	1310.3
45°	1071.1	1067.7	1094.7	1114.9	1121.6	1138.5	1148.6	1141.8	1141.8	1141.8	1128.4
47.5°	838.7	852.2	875.7	916.2	929.6	949.8	956.6	966.7	963.3	966.7	956.6
50°	636.6	666.9	697.2	737.6	757.9	781.4	791.5	805.0	805.0	808.4	801.6
52.5°	481.7	505.2	555.8	582.7	606.3	629.9	643.3	656.8	660.2	660.2	653.4
55°	357.0	390.7	424.4	461.5	481.7	505.2	515.3	528.8	528.8	535.6	528.8
57.5°	259.4	293.0	330.1	357.0	380.6	397.5	407.6	417.7	424.4	424.4	421.0
60°	192.0	218.9	249.3	276.2	296.4	313.2	320.0	330.1	333.5	333.5	326.7
62.5°	144.8	171.8	198.7	222.3	235.8	249.3	256.0	262.7	262.7	262.7	259.4
65°	117.9	138.1	158.3	178.5	192.0	202.1	205.5	212.2	208.8	212.2	208.8
67.5°	94.3	107.8	124.6	138.1	148.2	154.9	158.3	165.0	161.7	165.0	161.7
70°	70.7	84.2	94.3	104.4	111.2	117.9	121.3	124.6	121.3	124.6	121.3
72.5°	53.9	60.6	70.7	80.8	84.2	87.6	90.9	90.9	90.9	94.3	90.9
75°	37.1	43.8	50.5	53.9	60.6	64.0	64.0	67.4	67.4	67.4	67.4
77.5°	26.9	30.3	33.7	37.1	40.4	43.8	43.8	47.2	47.2	47.2	47.2
80°	16.8	20.2	20.2	23.6	26.9	26.9	30.3	30.3	30.3	30.3	30.3
82.5°	10.1	13.5	13.5	16.8	16.8	16.8	20.2	20.2	20.2	20.2	20.2
85°	6.7	6.7	6.7	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.7	6.7	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212872

CATALOG NUMBER: LD6B70D010TE EU6B60709727 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2893.3	2893.3	2893.3	2893.3
2.5°	2849.5	2832.7	2859.7	2819.2
5°	2819.2	2802.4	2836.1	2785.6
7.5°	2782.2	2765.3	2795.7	2745.1
10°	2735.0	2718.2	2745.1	2691.2
12.5°	2694.6	2677.8	2708.1	2657.6
15°	2664.3	2647.5	2674.4	2627.2
17.5°	2617.1	2596.9	2627.2	2576.7
20°	2549.8	2536.3	2559.9	2509.4
22.5°	2472.3	2458.8	2485.8	2435.3
25°	2391.5	2374.6	2401.6	2351.0
27.5°	2287.0	2273.6	2300.5	2250.0
30°	2162.4	2149.0	2175.9	2128.7
32.5°	2021.0	2007.5	2027.7	1987.3
35°	1859.3	1849.2	1869.4	1825.6
37.5°	1684.1	1674.0	1694.2	1650.4
40°	1495.5	1485.4	1502.2	1482.0
42.5°	1310.3	1300.1	1317.0	1300.1
45°	1128.4	1121.6	1138.5	1121.6
47.5°	960.0	953.2	970.1	953.2
50°	798.3	801.6	808.4	801.6
52.5°	653.4	653.4	663.5	653.4
55°	528.8	532.2	535.6	528.8
57.5°	421.0	421.0	424.4	421.0
60°	326.7	330.1	330.1	326.7
62.5°	259.4	259.4	259.4	259.4
65°	205.5	205.5	208.8	205.5
67.5°	161.7	158.3	161.7	158.3
70°	121.3	121.3	121.3	121.3
72.5°	94.3	94.3	90.9	90.9
75°	67.4	70.7	67.4	67.4
77.5°	47.2	47.2	47.2	47.2
80°	30.3	30.3	30.3	30.3
82.5°	20.2	20.2	20.2	20.2
85°	13.5	10.1	10.1	10.1
87.5°	6.7	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)