

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: P212838

Luminaire Tested: **LD6B50D010TE EU6B30508040 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212838
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: LD6B50D010TE EU6B30508040 6LBSWL11
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5290.4 lumens
Efficiency: N/A
Efficacy: 90.0 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

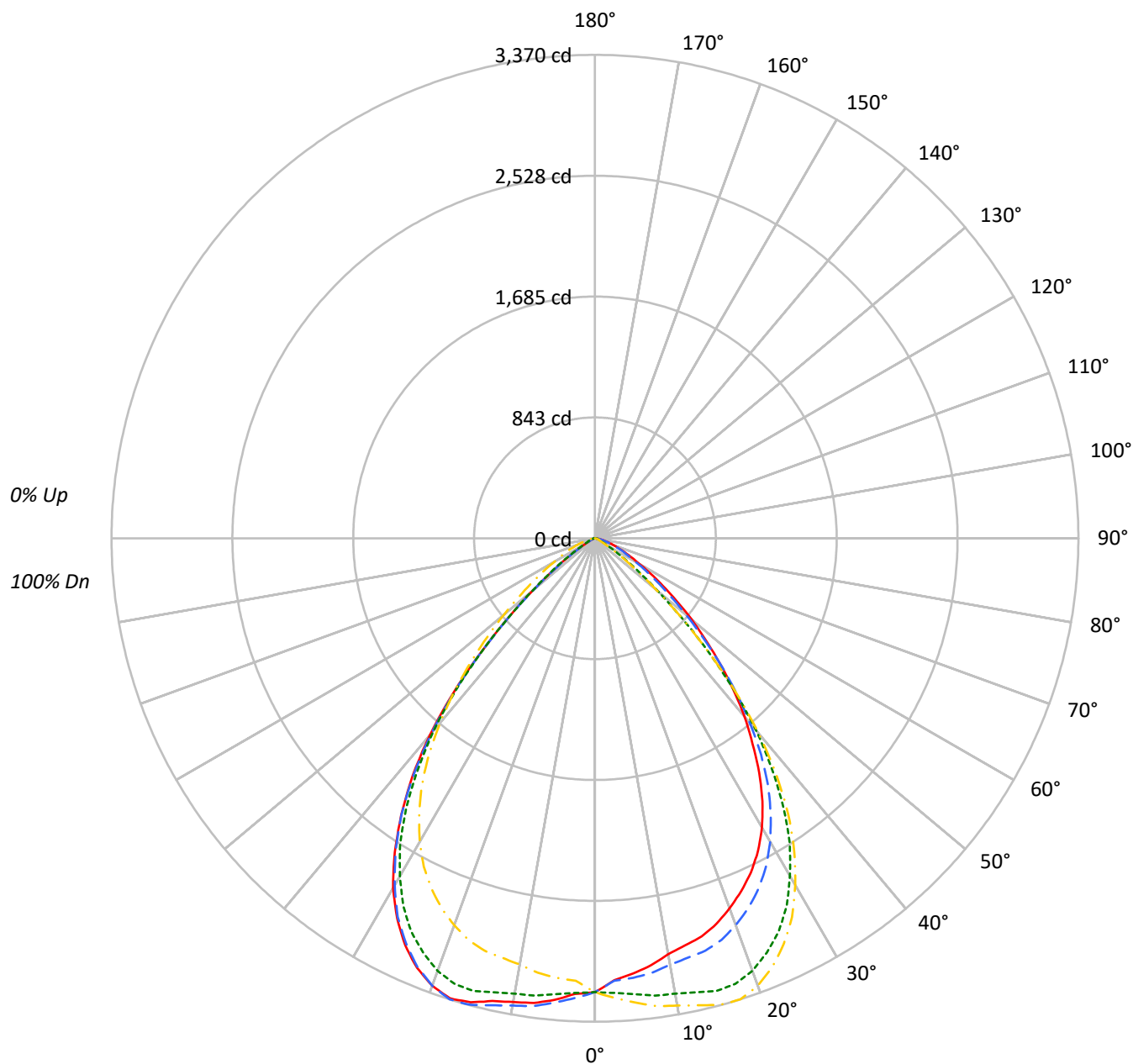
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	100	98		99	97	96		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	98	91	84	80	96	89	84	79	86	82	78		84	80	76		81
4	92	83	76	71	90	82	75	70	79	74	70		77	73	69		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64
7	76	64	57	52	74	64	57	52	62	56	52		61	56	51		60
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56
9	67	55	48	44	66	55	48	44	54	48	43		53	47	43		52
10	63	52	45	40	62	51	45	40	50	44	40		49	44	40		49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	173462	173462	173462	173462
5°	167642	175544	177773	175544
10°	163836	179422	182701	179422
15°	163066	185438	190035	185438
20°	160098	187173	193619	187173
25°	155525	183150	189392	183150
30°	147371	172083	178148	172083
35°	133612	153334	157524	153334
40°	115989	124948	128111	124948
45°	95095	86249	86815	86249
50°	74769	48382	47436	48382
55°	55272	23942	21476	23942
60°	39174	10504	7675	10504
65°	29147	6693	4774	6693
70°	21254	5321	3542	5321
75°	15610	3897	2351	3897
80°	10481	3504	1168	3504
85°	6982	2327	2327	2327



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.9	5.7
10°-20°	897.2	17.0
20°-30°	1338.8	25.3
30°-40°	1375.5	26.0
40°-50°	890.8	16.8
50°-60°	331.2	6.3
60°-70°	108.7	2.1
70°-80°	38.4	0.7
80°-90°	6.9	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°	2538.9	48.0
0°-40°	3914.5	74.0
0°-60°	5136.5	97.1
0°-90°	5290.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5290.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3164	3164	3164	3164	3164	
5°	3046	3190	3230	3190	3046	288
15°	2873	3267	3348	3267	2873	808
25°	2571	3028	3131	3028	2571	1178
35°	1996	2291	2354	2291	1996	1240
45°	1227	1112	1120	1112	1227	948
55°	578	250	225	250	578	527
65°	225	52	37	52	225	228
75°	74	18	11	18	74	81
85°	11	4	4	4	11	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°	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2
2.5°	3083.2	3127.4	3097.9	3116.3	3086.9	3086.9	3145.8	3112.7	3138.4	3112.7	3086.9
5°	3046.4	3101.6	3064.8	3083.2	3057.4	3061.1	3116.3	3090.6	3116.3	3097.9	3075.8
7.5°	3002.2	3057.4	3024.3	3042.7	3016.9	3024.3	3083.2	3057.4	3086.9	3068.5	3053.7
10°	2943.2	3002.2	2972.7	2991.1	2969.0	2972.7	3031.6	3013.2	3039.0	3027.9	3016.9
12.5°	2906.4	2961.6	2928.5	2946.9	2932.2	2939.5	2994.8	2980.1	3013.2	3002.2	2994.8
15°	2873.2	2924.8	2895.3	2913.7	2902.7	2906.4	2965.3	2950.6	2987.4	2980.1	2976.4
17.5°	2818.0	2873.2	2840.1	2862.2	2851.1	2854.8	2913.7	2902.7	2939.5	2939.5	2935.8
20°	2744.3	2799.6	2773.8	2788.5	2781.1	2788.5	2840.1	2832.7	2869.5	2869.5	2869.5
22.5°	2663.3	2718.5	2689.0	2703.8	2696.4	2707.5	2755.4	2755.4	2784.8	2788.5	2792.2
25°	2571.2	2626.4	2597.0	2615.4	2608.0	2615.4	2659.6	2663.3	2689.0	2689.0	2696.4
27.5°	2460.7	2515.9	2486.4	2501.2	2497.5	2501.2	2549.1	2556.4	2571.2	2574.9	2582.2
30°	2328.1	2379.6	2350.2	2364.9	2364.9	2364.9	2412.8	2416.5	2431.2	2434.9	2442.2
32.5°	2173.3	2217.5	2195.4	2210.2	2206.5	2213.9	2247.0	2261.7	2280.2	2276.5	2280.2
35°	1996.5	2044.4	2022.3	2033.4	2037.0	2048.1	2070.2	2088.6	2092.3	2096.0	2103.3
37.5°	1805.0	1852.9	1830.8	1841.8	1845.5	1867.6	1875.0	1893.4	1900.7	1900.7	1900.7
40°	1620.8	1642.9	1624.5	1635.5	1639.2	1657.6	1665.0	1679.7	1687.1	1683.4	1679.7
42.5°	1421.9	1440.3	1421.9	1432.9	1432.9	1447.7	1451.3	1469.8	1469.8	1462.4	1451.3
45°	1226.6	1245.1	1226.6	1234.0	1234.0	1248.7	1248.7	1248.7	1256.1	1245.1	1226.6
47.5°	1042.5	1060.9	1042.5	1049.8	1046.1	1057.2	1053.5	1057.2	1046.1	1038.8	1016.7
50°	876.7	884.1	876.7	873.0	876.7	884.1	880.4	880.4	865.7	854.6	828.8
52.5°	714.6	725.7	714.6	714.6	714.6	722.0	722.0	718.3	703.6	688.8	663.1
55°	578.3	585.7	582.0	578.3	578.3	585.7	578.3	578.3	563.6	552.5	526.8
57.5°	460.5	464.1	460.5	460.5	460.5	464.1	464.1	456.8	445.7	434.7	416.2
60°	357.3	361.0	361.0	357.3	357.3	364.7	364.7	361.0	349.9	342.6	324.2
62.5°	283.6	283.6	283.6	283.6	283.6	287.3	287.3	287.3	280.0	272.6	257.9
65°	224.7	228.4	224.7	224.7	228.4	232.1	228.4	232.1	224.7	221.0	210.0
67.5°	173.1	176.8	173.1	176.8	176.8	180.5	176.8	180.5	173.1	169.4	162.1
70°	132.6	132.6	132.6	132.6	132.6	136.3	132.6	136.3	132.6	128.9	121.6
72.5°	99.5	99.5	103.1	103.1	99.5	103.1	99.5	99.5	99.5	95.8	92.1
75°	73.7	73.7	77.4	73.7	73.7	73.7	73.7	73.7	70.0	70.0	66.3
77.5°	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	47.9	47.9	44.2
80°	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	29.5	29.5
82.5°	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.4	18.4
85°	11.1	11.1	11.1	14.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1
87.5°	3.7	3.7	3.7	7.4	3.7	3.7	7.4	7.4	3.7	3.7	3.7
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°	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2
2.5°	3116.3	3127.4	3127.4	3116.3	3142.1	3120.0	3164.2	3123.7	3134.8	3171.6	3167.9
5°	3105.3	3120.0	3123.7	3116.3	3149.5	3131.1	3175.3	3134.8	3153.2	3190.0	3190.0
7.5°	3090.6	3109.0	3116.3	3123.7	3153.2	3134.8	3186.3	3145.8	3171.6	3215.8	3212.1
10°	3057.4	3083.2	3097.9	3109.0	3138.4	3127.4	3182.7	3149.5	3171.6	3223.2	3219.5
12.5°	3039.0	3068.5	3090.6	3109.0	3142.1	3134.8	3190.0	3160.5	3190.0	3241.6	3241.6
15°	3024.3	3057.4	3083.2	3116.3	3149.5	3142.1	3201.1	3175.3	3204.8	3267.4	3263.7
17.5°	2987.4	3027.9	3053.7	3090.6	3123.7	3120.0	3182.7	3164.2	3197.4	3256.3	3260.0
20°	2924.8	2961.6	2991.1	3035.3	3072.1	3064.8	3131.1	3112.7	3145.8	3208.4	3212.1
22.5°	2843.8	2880.6	2910.1	2957.9	2991.1	2987.4	3053.7	3035.3	3068.5	3127.4	3131.1
25°	2748.0	2781.1	2810.6	2854.8	2891.6	2891.6	2950.6	2932.2	2969.0	3027.9	3027.9
27.5°	2630.1	2659.6	2685.4	2736.9	2766.4	2766.4	2821.7	2803.2	2840.1	2891.6	2888.0
30°	2486.4	2512.2	2534.3	2578.5	2604.3	2608.0	2655.9	2637.5	2674.3	2718.5	2718.5
32.5°	2313.3	2339.1	2353.8	2409.1	2427.5	2423.8	2460.7	2442.2	2479.1	2527.0	2515.9
35°	2129.1	2140.2	2151.2	2206.5	2213.9	2199.1	2236.0	2217.5	2243.3	2291.2	2283.8
37.5°	1919.2	1922.9	1922.9	1970.7	1974.4	1963.4	1985.5	1963.4	1981.8	2026.0	2022.3
40°	1687.1	1683.4	1679.7	1716.6	1712.9	1690.8	1705.5	1687.1	1712.9	1746.0	1727.6
42.5°	1451.3	1440.3	1425.6	1444.0	1429.2	1410.8	1418.2	1388.7	1407.1	1432.9	1410.8
45°	1219.3	1197.2	1167.7	1171.4	1153.0	1130.9	1119.8	1090.4	1086.7	1112.5	1094.0
47.5°	1001.9	957.7	932.0	917.2	887.8	869.3	847.2	814.1	799.3	814.1	795.7
50°	806.7	762.5	729.4	696.2	666.7	644.6	607.8	585.7	563.6	567.3	552.5
52.5°	637.3	607.8	552.5	526.8	497.3	471.5	438.4	412.6	386.8	386.8	372.0
55°	504.7	464.1	427.3	390.5	361.0	338.9	305.7	280.0	254.2	250.5	235.8
57.5°	390.5	361.0	320.5	283.6	265.2	243.1	210.0	180.5	165.8	154.7	143.7
60°	302.1	272.6	239.4	210.0	187.9	173.1	140.0	117.9	103.1	95.8	84.7
62.5°	243.1	217.3	187.9	158.4	143.7	128.9	103.1	84.7	70.0	62.6	55.3
65°	195.2	173.1	151.0	128.9	117.9	103.1	84.7	70.0	58.9	51.6	44.2
67.5°	151.0	136.3	117.9	103.1	92.1	81.0	66.3	55.3	47.9	40.5	36.8
70°	114.2	103.1	92.1	77.4	70.0	62.6	51.6	40.5	36.8	33.2	29.5
72.5°	88.4	77.4	66.3	58.9	51.6	47.9	40.5	33.2	29.5	25.8	22.1
75°	58.9	55.3	47.9	40.5	36.8	33.2	29.5	25.8	22.1	18.4	18.4
77.5°	40.5	36.8	33.2	29.5	25.8	25.8	22.1	18.4	14.7	14.7	11.1
80°	25.8	22.1	22.1	18.4	18.4	18.4	14.7	11.1	11.1	11.1	7.4
82.5°	18.4	14.7	14.7	11.1	11.1	11.1	11.1	7.4	7.4	7.4	3.7
85°	11.1	7.4	7.4	7.4	7.4	7.4	7.4	3.7	3.7	3.7	3.7
87.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	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°	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2
2.5°	3138.4	3171.6	3171.6	3201.1	3204.8	3197.4	3164.2	3164.2	3208.4	3234.2	3190.0
5°	3167.9	3201.1	3201.1	3230.5	3245.3	3234.2	3201.1	3204.8	3249.0	3278.4	3234.2
7.5°	3193.7	3226.9	3234.2	3267.4	3278.4	3267.4	3234.2	3241.6	3289.5	3315.3	3271.1
10°	3204.8	3237.9	3241.6	3278.4	3293.2	3278.4	3252.6	3256.3	3307.9	3326.3	3285.8
12.5°	3230.5	3263.7	3263.7	3304.2	3318.9	3307.9	3274.7	3282.1	3333.7	3352.1	3311.6
15°	3256.3	3289.5	3289.5	3333.7	3352.1	3337.4	3311.6	3315.3	3366.8	3385.2	3352.1
17.5°	3256.3	3285.8	3285.8	3333.7	3352.1	3341.0	3311.6	3315.3	3370.5	3385.2	3352.1
20°	3208.4	3241.6	3234.2	3282.1	3300.5	3289.5	3263.7	3263.7	3318.9	3333.7	3300.5
22.5°	3131.1	3160.5	3153.2	3197.4	3219.5	3204.8	3182.7	3179.0	3234.2	3249.0	3215.8
25°	3024.3	3053.7	3046.4	3090.6	3112.7	3094.2	3068.5	3072.1	3116.3	3138.4	3109.0
27.5°	2899.0	2917.4	2906.4	2950.6	2972.7	2954.3	2928.5	2932.2	2976.4	2991.1	2969.0
30°	2729.6	2744.3	2733.2	2770.1	2784.8	2773.8	2751.7	2751.7	2792.2	2810.6	2788.5
32.5°	2527.0	2538.0	2527.0	2556.4	2585.9	2563.8	2541.7	2541.7	2585.9	2600.6	2574.9
35°	2291.2	2302.3	2294.9	2324.4	2346.5	2317.0	2298.6	2291.2	2350.2	2342.8	2328.1
37.5°	2029.7	2037.0	2014.9	2066.5	2077.6	2044.4	2029.7	2022.3	2073.9	2070.2	2055.5
40°	1735.0	1742.4	1727.6	1764.5	1768.1	1742.4	1731.3	1720.3	1771.8	1768.1	1757.1
42.5°	1421.9	1425.6	1407.1	1436.6	1444.0	1418.2	1414.5	1399.8	1447.7	1440.3	1436.6
45°	1097.7	1097.7	1083.0	1105.1	1112.5	1090.4	1083.0	1079.3	1112.5	1112.5	1105.1
47.5°	795.7	784.6	766.2	799.3	803.0	788.3	784.6	773.6	806.7	806.7	799.3
50°	545.2	541.5	537.8	545.2	548.9	530.4	541.5	530.4	548.9	548.9	548.9
52.5°	364.7	361.0	353.6	361.0	361.0	349.9	349.9	346.3	361.0	361.0	353.6
55°	228.4	224.7	221.0	224.7	224.7	213.7	221.0	213.7	221.0	221.0	217.3
57.5°	140.0	132.6	132.6	128.9	128.9	121.6	125.2	125.2	125.2	125.2	125.2
60°	81.0	77.4	73.7	73.7	73.7	70.0	70.0	70.0	70.0	70.0	70.0
62.5°	51.6	51.6	47.9	47.9	47.9	47.9	47.9	44.2	47.9	47.9	47.9
65°	44.2	40.5	40.5	40.5	40.5	36.8	36.8	36.8	36.8	36.8	36.8
67.5°	36.8	33.2	33.2	33.2	33.2	29.5	29.5	29.5	29.5	29.5	29.5
70°	29.5	25.8	25.8	25.8	25.8	25.8	22.1	25.8	25.8	22.1	22.1
72.5°	22.1	22.1	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
75°	14.7	14.7	14.7	14.7	14.7	11.1	11.1	11.1	11.1	11.1	11.1
77.5°	11.1	11.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
80°	7.4	7.4	7.4	7.4	7.4	3.7	3.7	3.7	3.7	3.7	3.7
82.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
85°	3.7	3.7	3.7	3.7	3.7	0.0	3.7	0.0	3.7	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: P212838

CATALOG NUMBER: LD6B50D010TE EU6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2
2.5°	3241.6	3204.8	3186.3	3223.2	3237.9	3219.5	3204.8	3179.0	3204.8	3219.5	3237.9
5°	3285.8	3252.6	3237.9	3263.7	3285.8	3267.4	3256.3	3230.5	3256.3	3267.4	3285.8
7.5°	3326.3	3293.2	3274.7	3300.5	3326.3	3300.5	3289.5	3267.4	3289.5	3300.5	3326.3
10°	3341.0	3304.2	3289.5	3311.6	3337.4	3311.6	3296.8	3282.1	3296.8	3311.6	3337.4
12.5°	3366.8	3330.0	3311.6	3330.0	3355.8	3330.0	3315.3	3304.2	3315.3	3330.0	3355.8
15°	3403.7	3370.5	3348.4	3366.8	3400.0	3370.5	3352.1	3348.4	3352.1	3370.5	3400.0
17.5°	3403.7	3377.9	3355.8	3370.5	3403.7	3381.6	3355.8	3363.1	3355.8	3381.6	3403.7
20°	3355.8	3330.0	3311.6	3311.6	3359.5	3330.0	3307.9	3318.9	3307.9	3330.0	3359.5
22.5°	3271.1	3249.0	3230.5	3226.9	3274.7	3249.0	3219.5	3241.6	3219.5	3249.0	3274.7
25°	3160.5	3138.4	3123.7	3116.3	3164.2	3134.8	3109.0	3131.1	3109.0	3134.8	3164.2
27.5°	3016.9	2998.5	2983.7	2972.7	3016.9	2991.1	2965.3	2987.4	2965.3	2991.1	3016.9
30°	2832.7	2821.7	2806.9	2792.2	2836.4	2810.6	2784.8	2814.3	2784.8	2810.6	2836.4
32.5°	2619.1	2611.7	2593.3	2578.5	2622.7	2593.3	2574.9	2597.0	2574.9	2593.3	2622.7
35°	2372.3	2361.2	2350.2	2324.4	2372.3	2346.5	2346.5	2353.8	2346.5	2346.5	2372.3
37.5°	2096.0	2088.6	2073.9	2051.8	2092.3	2073.9	2066.5	2088.6	2066.5	2073.9	2092.3
40°	1786.6	1782.9	1771.8	1746.0	1790.2	1771.8	1760.8	1790.2	1760.8	1771.8	1790.2
42.5°	1462.4	1455.0	1444.0	1440.3	1462.4	1447.7	1458.7	1458.7	1458.7	1447.7	1462.4
45°	1127.2	1119.8	1112.5	1097.7	1123.5	1116.1	1112.5	1119.8	1112.5	1116.1	1123.5
47.5°	817.8	810.4	803.0	792.0	817.8	806.7	806.7	814.1	806.7	806.7	817.8
50°	548.9	552.5	548.9	541.5	548.9	545.2	548.9	556.2	548.9	545.2	548.9
52.5°	364.7	364.7	357.3	353.6	361.0	357.3	368.4	361.0	368.4	357.3	361.0
55°	221.0	224.7	221.0	217.3	221.0	217.3	228.4	224.7	228.4	217.3	221.0
57.5°	125.2	125.2	128.9	125.2	132.6	128.9	128.9	128.9	128.9	128.9	132.6
60°	70.0	70.0	70.0	70.0	70.0	70.0	73.7	70.0	73.7	70.0	70.0
62.5°	47.9	47.9	47.9	44.2	47.9	44.2	47.9	47.9	47.9	44.2	47.9
65°	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
67.5°	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
70°	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
72.5°	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
75°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
77.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
80°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
82.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	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: P212838

CATALOG NUMBER: LD6B50D010TE EU6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2
2.5°	3223.2	3186.3	3204.8	3241.6	3190.0	3234.2	3208.4	3164.2	3164.2	3197.4	3204.8
5°	3263.7	3237.9	3252.6	3285.8	3234.2	3278.4	3249.0	3204.8	3201.1	3234.2	3245.3
7.5°	3300.5	3274.7	3293.2	3326.3	3271.1	3315.3	3289.5	3241.6	3234.2	3267.4	3278.4
10°	3311.6	3289.5	3304.2	3341.0	3285.8	3326.3	3307.9	3256.3	3252.6	3278.4	3293.2
12.5°	3330.0	3311.6	3330.0	3366.8	3311.6	3352.1	3333.7	3282.1	3274.7	3307.9	3318.9
15°	3366.8	3348.4	3370.5	3403.7	3352.1	3385.2	3366.8	3315.3	3311.6	3337.4	3352.1
17.5°	3370.5	3355.8	3377.9	3403.7	3352.1	3385.2	3370.5	3315.3	3311.6	3341.0	3352.1
20°	3311.6	3311.6	3330.0	3355.8	3300.5	3333.7	3318.9	3263.7	3263.7	3289.5	3300.5
22.5°	3226.9	3230.5	3249.0	3271.1	3215.8	3249.0	3234.2	3179.0	3182.7	3204.8	3219.5
25°	3116.3	3123.7	3138.4	3160.5	3109.0	3138.4	3116.3	3072.1	3068.5	3094.2	3112.7
27.5°	2972.7	2983.7	2998.5	3016.9	2969.0	2991.1	2976.4	2932.2	2928.5	2954.3	2972.7
30°	2792.2	2806.9	2821.7	2832.7	2788.5	2810.6	2792.2	2751.7	2751.7	2773.8	2784.8
32.5°	2578.5	2593.3	2611.7	2619.1	2574.9	2600.6	2585.9	2541.7	2541.7	2563.8	2585.9
35°	2324.4	2350.2	2361.2	2372.3	2328.1	2342.8	2350.2	2291.2	2298.6	2317.0	2346.5
37.5°	2051.8	2073.9	2088.6	2096.0	2055.5	2070.2	2073.9	2022.3	2029.7	2044.4	2077.6
40°	1746.0	1771.8	1782.9	1786.6	1757.1	1768.1	1771.8	1720.3	1731.3	1742.4	1768.1
42.5°	1440.3	1444.0	1455.0	1462.4	1436.6	1440.3	1447.7	1399.8	1414.5	1418.2	1444.0
45°	1097.7	1112.5	1119.8	1127.2	1105.1	1112.5	1112.5	1079.3	1083.0	1090.4	1112.5
47.5°	792.0	803.0	810.4	817.8	799.3	806.7	806.7	773.6	784.6	788.3	803.0
50°	541.5	548.9	552.5	548.9	548.9	548.9	548.9	530.4	541.5	530.4	548.9
52.5°	353.6	357.3	364.7	364.7	353.6	361.0	361.0	346.3	349.9	349.9	361.0
55°	217.3	221.0	224.7	221.0	217.3	221.0	221.0	213.7	221.0	213.7	224.7
57.5°	125.2	128.9	125.2	125.2	125.2	125.2	125.2	125.2	125.2	121.6	128.9
60°	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	73.7
62.5°	44.2	47.9	47.9	47.9	47.9	47.9	47.9	44.2	47.9	47.9	47.9
65°	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	40.5
67.5°	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	33.2
70°	22.1	22.1	22.1	22.1	22.1	22.1	25.8	25.8	22.1	25.8	25.8
72.5°	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
75°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	14.7
77.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
80°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4
82.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	3.7	0.0	3.7
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: P212838

CATALOG NUMBER: LD6B50D010TE EU6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2
2.5°	3201.1	3171.6	3171.6	3138.4	3167.9	3171.6	3134.8	3123.7	3164.2	3120.0	3142.1
5°	3230.5	3201.1	3201.1	3167.9	3190.0	3190.0	3153.2	3134.8	3175.3	3131.1	3149.5
7.5°	3267.4	3234.2	3226.9	3193.7	3212.1	3215.8	3171.6	3145.8	3186.3	3134.8	3153.2
10°	3278.4	3241.6	3237.9	3204.8	3219.5	3223.2	3171.6	3149.5	3182.7	3127.4	3138.4
12.5°	3304.2	3263.7	3263.7	3230.5	3241.6	3241.6	3190.0	3160.5	3190.0	3134.8	3142.1
15°	3333.7	3289.5	3289.5	3256.3	3263.7	3267.4	3204.8	3175.3	3201.1	3142.1	3149.5
17.5°	3333.7	3285.8	3285.8	3256.3	3260.0	3256.3	3197.4	3164.2	3182.7	3120.0	3123.7
20°	3282.1	3234.2	3241.6	3208.4	3212.1	3208.4	3145.8	3112.7	3131.1	3064.8	3072.1
22.5°	3197.4	3153.2	3160.5	3131.1	3131.1	3127.4	3068.5	3035.3	3053.7	2987.4	2991.1
25°	3090.6	3046.4	3053.7	3024.3	3027.9	3027.9	2969.0	2932.2	2950.6	2891.6	2891.6
27.5°	2950.6	2906.4	2917.4	2899.0	2888.0	2891.6	2840.1	2803.2	2821.7	2766.4	2766.4
30°	2770.1	2733.2	2744.3	2729.6	2718.5	2718.5	2674.3	2637.5	2655.9	2608.0	2604.3
32.5°	2556.4	2527.0	2538.0	2527.0	2515.9	2527.0	2479.1	2442.2	2460.7	2423.8	2427.5
35°	2324.4	2294.9	2302.3	2291.2	2283.8	2291.2	2243.3	2217.5	2236.0	2199.1	2213.9
37.5°	2066.5	2014.9	2037.0	2029.7	2022.3	2026.0	1981.8	1963.4	1985.5	1963.4	1974.4
40°	1764.5	1727.6	1742.4	1735.0	1727.6	1746.0	1712.9	1687.1	1705.5	1690.8	1712.9
42.5°	1436.6	1407.1	1425.6	1421.9	1410.8	1432.9	1407.1	1388.7	1418.2	1410.8	1429.2
45°	1105.1	1083.0	1097.7	1097.7	1094.0	1112.5	1086.7	1090.4	1119.8	1130.9	1153.0
47.5°	799.3	766.2	784.6	795.7	795.7	814.1	799.3	814.1	847.2	869.3	887.8
50°	545.2	537.8	541.5	545.2	552.5	567.3	563.6	585.7	607.8	644.6	666.7
52.5°	361.0	353.6	361.0	364.7	372.0	386.8	386.8	412.6	438.4	471.5	497.3
55°	224.7	221.0	224.7	228.4	235.8	250.5	254.2	280.0	305.7	338.9	361.0
57.5°	128.9	132.6	132.6	140.0	143.7	154.7	165.8	180.5	210.0	243.1	265.2
60°	73.7	73.7	77.4	81.0	84.7	95.8	103.1	117.9	140.0	173.1	187.9
62.5°	47.9	47.9	51.6	51.6	55.3	62.6	70.0	84.7	103.1	128.9	143.7
65°	40.5	40.5	40.5	44.2	44.2	51.6	58.9	70.0	84.7	103.1	117.9
67.5°	33.2	33.2	33.2	36.8	36.8	40.5	47.9	55.3	66.3	81.0	92.1
70°	25.8	25.8	25.8	29.5	29.5	33.2	36.8	40.5	51.6	62.6	70.0
72.5°	18.4	18.4	22.1	22.1	22.1	25.8	29.5	33.2	40.5	47.9	51.6
75°	14.7	14.7	14.7	14.7	18.4	18.4	22.1	25.8	29.5	33.2	36.8
77.5°	7.4	7.4	11.1	11.1	11.1	14.7	14.7	18.4	22.1	25.8	25.8
80°	7.4	7.4	7.4	7.4	7.4	11.1	11.1	11.1	14.7	18.4	18.4
82.5°	3.7	3.7	3.7	3.7	3.7	7.4	7.4	7.4	11.1	11.1	11.1
85°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	7.4	7.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7
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: P212838

CATALOG NUMBER: LD6B50D010TE EU6B30508040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2	3164.2
2.5°	3116.3	3127.4	3127.4	3116.3	3086.9	3112.7	3138.4	3112.7	3145.8	3086.9	3086.9
5°	3116.3	3123.7	3120.0	3105.3	3075.8	3097.9	3116.3	3090.6	3116.3	3061.1	3057.4
7.5°	3123.7	3116.3	3109.0	3090.6	3053.7	3068.5	3086.9	3057.4	3083.2	3024.3	3016.9
10°	3109.0	3097.9	3083.2	3057.4	3016.9	3027.9	3039.0	3013.2	3031.6	2972.7	2969.0
12.5°	3109.0	3090.6	3068.5	3039.0	2994.8	3002.2	3013.2	2980.1	2994.8	2939.5	2932.2
15°	3116.3	3083.2	3057.4	3024.3	2976.4	2980.1	2987.4	2950.6	2965.3	2906.4	2902.7
17.5°	3090.6	3053.7	3027.9	2987.4	2935.8	2939.5	2939.5	2902.7	2913.7	2854.8	2851.1
20°	3035.3	2991.1	2961.6	2924.8	2869.5	2869.5	2869.5	2832.7	2840.1	2788.5	2781.1
22.5°	2957.9	2910.1	2880.6	2843.8	2792.2	2788.5	2784.8	2755.4	2755.4	2707.5	2696.4
25°	2854.8	2810.6	2781.1	2748.0	2696.4	2689.0	2689.0	2663.3	2659.6	2615.4	2608.0
27.5°	2736.9	2685.4	2659.6	2630.1	2582.2	2574.9	2571.2	2556.4	2549.1	2501.2	2497.5
30°	2578.5	2534.3	2512.2	2486.4	2442.2	2434.9	2431.2	2416.5	2412.8	2364.9	2364.9
32.5°	2409.1	2353.8	2339.1	2313.3	2280.2	2276.5	2280.2	2261.7	2247.0	2213.9	2206.5
35°	2206.5	2151.2	2140.2	2129.1	2103.3	2096.0	2092.3	2088.6	2070.2	2048.1	2037.0
37.5°	1970.7	1922.9	1922.9	1919.2	1900.7	1900.7	1900.7	1893.4	1875.0	1867.6	1845.5
40°	1716.6	1679.7	1683.4	1687.1	1679.7	1683.4	1687.1	1679.7	1665.0	1657.6	1639.2
42.5°	1444.0	1425.6	1440.3	1451.3	1451.3	1462.4	1469.8	1469.8	1451.3	1447.7	1432.9
45°	1171.4	1167.7	1197.2	1219.3	1226.6	1245.1	1256.1	1248.7	1248.7	1248.7	1234.0
47.5°	917.2	932.0	957.7	1001.9	1016.7	1038.8	1046.1	1057.2	1053.5	1057.2	1046.1
50°	696.2	729.4	762.5	806.7	828.8	854.6	865.7	880.4	880.4	884.1	876.7
52.5°	526.8	552.5	607.8	637.3	663.1	688.8	703.6	718.3	722.0	722.0	714.6
55°	390.5	427.3	464.1	504.7	526.8	552.5	563.6	578.3	578.3	585.7	578.3
57.5°	283.6	320.5	361.0	390.5	416.2	434.7	445.7	456.8	464.1	464.1	460.5
60°	210.0	239.4	272.6	302.1	324.2	342.6	349.9	361.0	364.7	364.7	357.3
62.5°	158.4	187.9	217.3	243.1	257.9	272.6	280.0	287.3	287.3	287.3	283.6
65°	128.9	151.0	173.1	195.2	210.0	221.0	224.7	232.1	228.4	232.1	228.4
67.5°	103.1	117.9	136.3	151.0	162.1	169.4	173.1	180.5	176.8	180.5	176.8
70°	77.4	92.1	103.1	114.2	121.6	128.9	132.6	136.3	132.6	136.3	132.6
72.5°	58.9	66.3	77.4	88.4	92.1	95.8	99.5	99.5	99.5	103.1	99.5
75°	40.5	47.9	55.3	58.9	66.3	70.0	70.0	73.7	73.7	73.7	73.7
77.5°	29.5	33.2	36.8	40.5	44.2	47.9	47.9	51.6	51.6	51.6	51.6
80°	18.4	22.1	22.1	25.8	29.5	29.5	33.2	33.2	33.2	33.2	33.2
82.5°	11.1	14.7	14.7	18.4	18.4	18.4	22.1	22.1	22.1	22.1	22.1
85°	7.4	7.4	7.4	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
87.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	7.4	3.7	3.7
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: P212838

CATALOG NUMBER: LD6B50D010TE EU6B30508040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3164.2	3164.2	3164.2	3164.2
2.5°	3116.3	3097.9	3127.4	3083.2
5°	3083.2	3064.8	3101.6	3046.4
7.5°	3042.7	3024.3	3057.4	3002.2
10°	2991.1	2972.7	3002.2	2943.2
12.5°	2946.9	2928.5	2961.6	2906.4
15°	2913.7	2895.3	2924.8	2873.2
17.5°	2862.2	2840.1	2873.2	2818.0
20°	2788.5	2773.8	2799.6	2744.3
22.5°	2703.8	2689.0	2718.5	2663.3
25°	2615.4	2597.0	2626.4	2571.2
27.5°	2501.2	2486.4	2515.9	2460.7
30°	2364.9	2350.2	2379.6	2328.1
32.5°	2210.2	2195.4	2217.5	2173.3
35°	2033.4	2022.3	2044.4	1996.5
37.5°	1841.8	1830.8	1852.9	1805.0
40°	1635.5	1624.5	1642.9	1620.8
42.5°	1432.9	1421.9	1440.3	1421.9
45°	1234.0	1226.6	1245.1	1226.6
47.5°	1049.8	1042.5	1060.9	1042.5
50°	873.0	876.7	884.1	876.7
52.5°	714.6	714.6	725.7	714.6
55°	578.3	582.0	585.7	578.3
57.5°	460.5	460.5	464.1	460.5
60°	357.3	361.0	361.0	357.3
62.5°	283.6	283.6	283.6	283.6
65°	224.7	224.7	228.4	224.7
67.5°	176.8	173.1	176.8	173.1
70°	132.6	132.6	132.6	132.6
72.5°	103.1	103.1	99.5	99.5
75°	73.7	77.4	73.7	73.7
77.5°	51.6	51.6	51.6	51.6
80°	33.2	33.2	33.2	33.2
82.5°	22.1	22.1	22.1	22.1
85°	14.7	11.1	11.1	11.1
87.5°	7.4	3.7	3.7	3.7
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)