

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: P212837

Luminaire Tested: **LD6B50D010TE EU6B30508035 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212837
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 EU6B30508035 6LBSWL11
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5238.2 lumens
Efficiency: N/A
Efficacy: 89.1 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

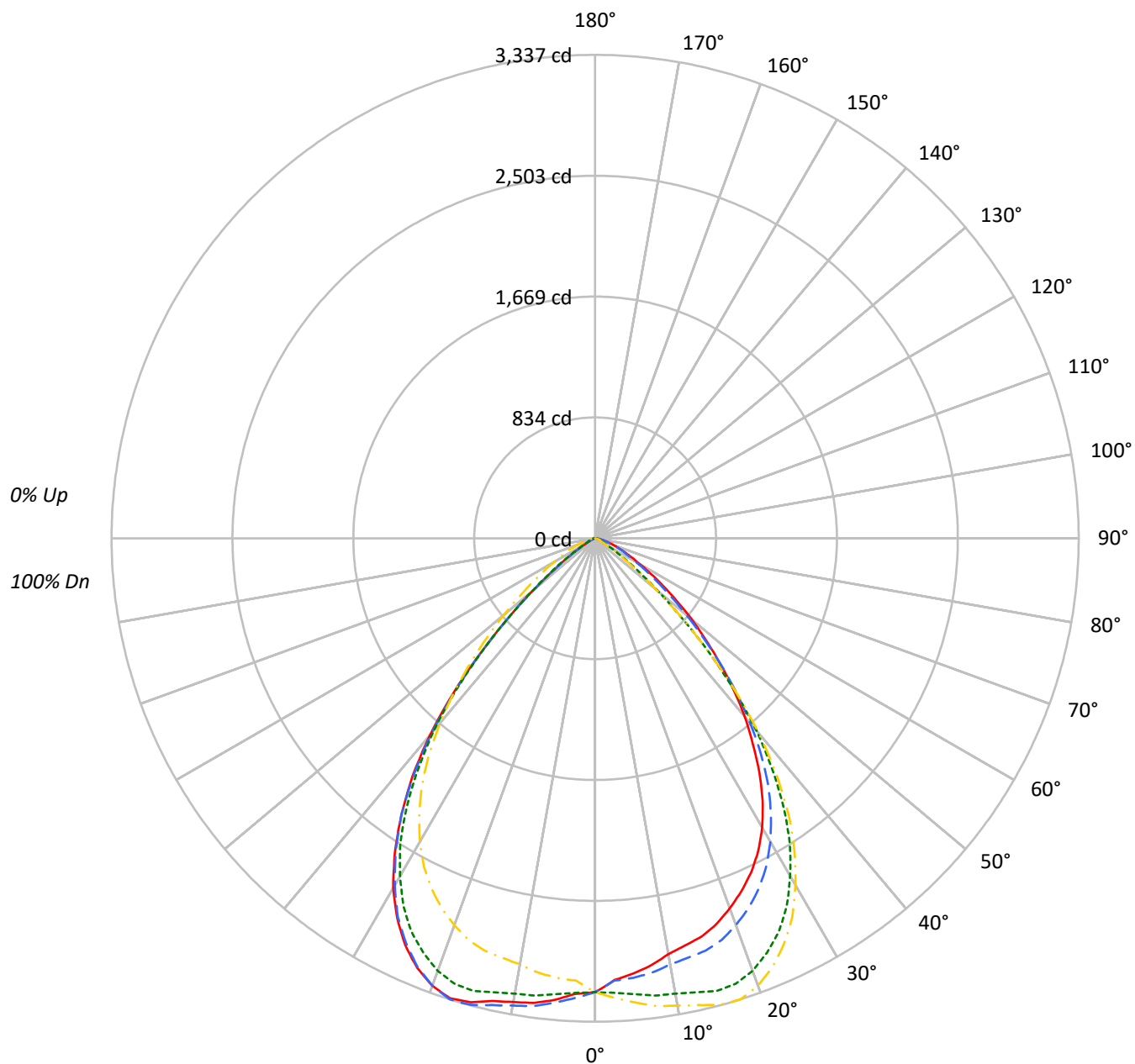
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212837

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBSWL11

Luminous Intensity Polar Plot





TEST NUMBER: P212837

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBSWL11

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	99		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	71	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°	171752	171752	171752	171752
5°	165986	173816	176023	173816
10°	162221	177652	180903	177652
15°	161459	183611	188162	183611
20°	158517	185329	191712	185329
25°	153989	181347	187523	181347
30°	145915	170387	176388	170387
35°	132294	151822	155971	151822
40°	114844	123718	126852	123718
45°	94165	85396	85962	85396
50°	74036	47905	46966	47905
55°	54727	23703	21266	23703
60°	38791	10394	7598	10394
65°	28862	6628	4735	6628
70°	21045	5257	3510	5257
75°	15441	3855	2309	3855
80°	10355	3441	1137	3441
85°	6856	2264	2264	2264



TEST NUMBER: P212837

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.9	5.7
10°-20°	888.3	17.0
20°-30°	1325.6	25.3
30°-40°	1362.0	26.0
40°-50°	882.0	16.8
50°-60°	328.0	6.3
60°-70°	107.6	2.1
70°-80°	38.0	0.7
80°-90°	6.8	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°	2513.9	48.0
0°-40°	3875.9	74.0
0°-60°	5085.8	97.1
0°-90°	5238.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5238.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3133	3133	3133	3133	3133	
5°	3016	3159	3199	3159	3016	285
15°	2845	3235	3315	3235	2845	800
25°	2546	2998	3100	2998	2546	1167
35°	1977	2269	2331	2269	1977	1227
45°	1215	1102	1109	1102	1215	939
55°	573	248	222	248	573	522
65°	222	51	36	51	222	226
75°	73	18	11	18	73	80
85°	11	4	4	4	11	14
90°	0	0	0	0	0	



TEST NUMBER: P212837

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBSWL11

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3052.8	3096.6	3067.4	3085.6	3056.4	3056.4	3114.8	3082.0	3107.5	3082.0	3056.4
5°	3016.3	3071.0	3034.6	3052.8	3027.3	3030.9	3085.6	3060.1	3085.6	3067.4	3045.5
7.5°	2972.6	3027.3	2994.4	3012.7	2987.1	2994.4	3052.8	3027.3	3056.4	3038.2	3023.6
10°	2914.2	2972.6	2943.4	2961.6	2939.7	2943.4	3001.7	2983.5	3009.0	2998.1	2987.1
12.5°	2877.7	2932.4	2899.6	2917.8	2903.3	2910.6	2965.3	2950.7	2983.5	2972.6	2965.3
15°	2844.9	2896.0	2866.8	2885.0	2874.1	2877.7	2936.1	2921.5	2958.0	2950.7	2947.0
17.5°	2790.2	2844.9	2812.1	2834.0	2823.0	2826.7	2885.0	2874.1	2910.6	2910.6	2906.9
20°	2717.2	2772.0	2746.4	2761.0	2753.7	2761.0	2812.1	2804.8	2841.3	2841.3	2841.3
22.5°	2637.0	2691.7	2662.5	2677.1	2669.8	2680.8	2728.2	2728.2	2757.4	2761.0	2764.7
25°	2545.8	2600.5	2571.4	2589.6	2582.3	2589.6	2633.4	2637.0	2662.5	2662.5	2669.8
27.5°	2436.4	2491.1	2461.9	2476.5	2472.9	2476.5	2523.9	2531.2	2545.8	2549.5	2556.8
30°	2305.1	2356.2	2327.0	2341.6	2341.6	2341.6	2389.0	2392.6	2407.2	2410.9	2418.2
32.5°	2151.9	2195.7	2173.8	2188.4	2184.7	2192.0	2224.9	2239.4	2257.7	2254.0	2257.7
35°	1976.8	2024.3	2002.4	2013.3	2017.0	2027.9	2049.8	2068.0	2071.7	2075.3	2082.6
37.5°	1787.2	1834.6	1812.7	1823.7	1827.3	1849.2	1856.5	1874.7	1882.0	1882.0	1882.0
40°	1604.8	1626.7	1608.5	1619.4	1623.1	1641.3	1648.6	1663.2	1670.5	1666.8	1663.2
42.5°	1407.9	1426.1	1407.9	1418.8	1418.8	1433.4	1437.0	1455.3	1455.3	1448.0	1437.0
45°	1214.6	1232.8	1214.6	1221.8	1221.8	1236.4	1236.4	1236.4	1243.7	1232.8	1214.6
47.5°	1032.2	1050.4	1032.2	1039.5	1035.8	1046.8	1043.1	1046.8	1035.8	1028.5	1006.7
50°	868.1	875.4	868.1	864.4	868.1	875.4	871.7	871.7	857.1	846.2	820.6
52.5°	707.6	718.5	707.6	707.6	707.6	714.9	714.9	711.2	696.6	682.0	656.5
55°	572.6	579.9	576.3	572.6	572.6	579.9	572.6	572.6	558.0	547.1	521.6
57.5°	455.9	459.6	455.9	455.9	455.9	459.6	459.6	452.3	441.3	430.4	412.1
60°	353.8	357.4	357.4	353.8	353.8	361.1	361.1	357.4	346.5	339.2	321.0
62.5°	280.8	280.8	280.8	280.8	280.8	284.5	284.5	284.5	277.2	269.9	255.3
65°	222.5	226.1	222.5	222.5	226.1	229.8	226.1	229.8	222.5	218.8	207.9
67.5°	171.4	175.1	171.4	175.1	175.1	178.7	175.1	178.7	171.4	167.8	160.5
70°	131.3	131.3	131.3	131.3	131.3	135.0	131.3	135.0	131.3	127.7	120.4
72.5°	98.5	98.5	102.1	102.1	98.5	102.1	98.5	98.5	98.5	94.8	91.2
75°	72.9	72.9	76.6	72.9	72.9	72.9	72.9	72.9	69.3	69.3	65.7
77.5°	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	47.4	47.4	43.8
80°	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	29.2	29.2
82.5°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	18.2	18.2
85°	10.9	10.9	10.9	14.6	10.9	10.9	10.9	10.9	10.9	10.9	10.9
87.5°	3.6	3.6	3.6	7.3	3.6	3.6	7.3	7.3	3.6	3.6	3.6
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: P212837

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3085.6	3096.6	3096.6	3085.6	3111.2	3089.3	3133.0	3092.9	3103.9	3140.3	3136.7
5°	3074.7	3089.3	3092.9	3085.6	3118.5	3100.2	3144.0	3103.9	3122.1	3158.6	3158.6
7.5°	3060.1	3078.3	3085.6	3092.9	3122.1	3103.9	3154.9	3114.8	3140.3	3184.1	3180.5
10°	3027.3	3052.8	3067.4	3078.3	3107.5	3096.6	3151.3	3118.5	3140.3	3191.4	3187.8
12.5°	3009.0	3038.2	3060.1	3078.3	3111.2	3103.9	3158.6	3129.4	3158.6	3209.6	3209.6
15°	2994.4	3027.3	3052.8	3085.6	3118.5	3111.2	3169.5	3144.0	3173.2	3235.2	3231.5
17.5°	2958.0	2998.1	3023.6	3060.1	3092.9	3089.3	3151.3	3133.0	3165.9	3224.2	3227.9
20°	2896.0	2932.4	2961.6	3005.4	3041.9	3034.6	3100.2	3082.0	3114.8	3176.8	3180.5
22.5°	2815.7	2852.2	2881.4	2928.8	2961.6	2958.0	3023.6	3005.4	3038.2	3096.6	3100.2
25°	2720.9	2753.7	2782.9	2826.7	2863.1	2863.1	2921.5	2903.3	2939.7	2998.1	2998.1
27.5°	2604.2	2633.4	2658.9	2710.0	2739.1	2739.1	2793.8	2775.6	2812.1	2863.1	2859.5
30°	2461.9	2487.5	2509.4	2553.1	2578.6	2582.3	2629.7	2611.5	2647.9	2691.7	2691.7
32.5°	2290.5	2316.0	2330.6	2385.3	2403.6	2399.9	2436.4	2418.2	2454.6	2502.1	2491.1
35°	2108.1	2119.1	2130.0	2184.7	2192.0	2177.4	2213.9	2195.7	2221.2	2268.6	2261.3
37.5°	1900.2	1903.9	1903.9	1951.3	1955.0	1944.0	1965.9	1944.0	1962.3	2006.0	2002.4
40°	1670.5	1666.8	1663.2	1699.6	1696.0	1674.1	1688.7	1670.5	1696.0	1728.8	1710.6
42.5°	1437.0	1426.1	1411.5	1429.7	1415.2	1396.9	1404.2	1375.0	1393.3	1418.8	1396.9
45°	1207.3	1185.4	1156.2	1159.8	1141.6	1119.7	1108.8	1079.6	1076.0	1101.5	1083.3
47.5°	992.1	948.3	922.8	908.2	879.0	860.8	838.9	806.1	791.5	806.1	787.8
50°	798.8	755.0	722.2	689.3	660.2	638.3	601.8	579.9	558.0	561.7	547.1
52.5°	631.0	601.8	547.1	521.6	492.4	466.9	434.0	408.5	383.0	383.0	368.4
55°	499.7	459.6	423.1	386.6	357.4	335.6	302.7	277.2	251.7	248.0	233.4
57.5°	386.6	357.4	317.3	280.8	262.6	240.7	207.9	178.7	164.1	153.2	142.2
60°	299.1	269.9	237.1	207.9	186.0	171.4	138.6	116.7	102.1	94.8	83.9
62.5°	240.7	215.2	186.0	156.8	142.2	127.7	102.1	83.9	69.3	62.0	54.7
65°	193.3	171.4	149.5	127.7	116.7	102.1	83.9	69.3	58.4	51.1	43.8
67.5°	149.5	135.0	116.7	102.1	91.2	80.2	65.7	54.7	47.4	40.1	36.5
70°	113.1	102.1	91.2	76.6	69.3	62.0	51.1	40.1	36.5	32.8	29.2
72.5°	87.5	76.6	65.7	58.4	51.1	47.4	40.1	32.8	29.2	25.5	21.9
75°	58.4	54.7	47.4	40.1	36.5	32.8	29.2	25.5	21.9	18.2	18.2
77.5°	40.1	36.5	32.8	29.2	25.5	25.5	21.9	18.2	14.6	14.6	10.9
80°	25.5	21.9	21.9	18.2	18.2	18.2	14.6	10.9	10.9	10.9	7.3
82.5°	18.2	14.6	14.6	10.9	10.9	10.9	10.9	7.3	7.3	7.3	3.6
85°	10.9	7.3	7.3	7.3	7.3	7.3	7.3	3.6	3.6	3.6	3.6
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	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: P212837

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3107.5	3140.3	3140.3	3169.5	3173.2	3165.9	3133.0	3133.0	3176.8	3202.3	3158.6
5°	3136.7	3169.5	3169.5	3198.7	3213.3	3202.3	3169.5	3173.2	3216.9	3246.1	3202.3
7.5°	3162.2	3195.0	3202.3	3235.2	3246.1	3235.2	3202.3	3209.6	3257.0	3282.6	3238.8
10°	3173.2	3206.0	3209.6	3246.1	3260.7	3246.1	3220.6	3224.2	3275.3	3293.5	3253.4
12.5°	3198.7	3231.5	3231.5	3271.6	3286.2	3275.3	3242.5	3249.8	3300.8	3319.1	3278.9
15°	3224.2	3257.0	3257.0	3300.8	3319.1	3304.5	3278.9	3282.6	3333.6	3351.9	3319.1
17.5°	3224.2	3253.4	3253.4	3300.8	3319.1	3308.1	3278.9	3282.6	3337.3	3351.9	3319.1
20°	3176.8	3209.6	3202.3	3249.8	3268.0	3257.0	3231.5	3231.5	3286.2	3300.8	3268.0
22.5°	3100.2	3129.4	3122.1	3165.9	3187.8	3173.2	3151.3	3147.6	3202.3	3216.9	3184.1
25°	2994.4	3023.6	3016.3	3060.1	3082.0	3063.7	3038.2	3041.9	3085.6	3107.5	3078.3
27.5°	2870.4	2888.7	2877.7	2921.5	2943.4	2925.1	2899.6	2903.3	2947.0	2961.6	2939.7
30°	2702.7	2717.2	2706.3	2742.8	2757.4	2746.4	2724.5	2724.5	2764.7	2782.9	2761.0
32.5°	2502.1	2513.0	2502.1	2531.2	2560.4	2538.5	2516.6	2516.6	2560.4	2575.0	2549.5
35°	2268.6	2279.6	2272.3	2301.5	2323.3	2294.2	2275.9	2268.6	2327.0	2319.7	2305.1
37.5°	2009.7	2017.0	1995.1	2046.1	2057.1	2024.3	2009.7	2002.4	2053.4	2049.8	2035.2
40°	1717.9	1725.2	1710.6	1747.1	1750.7	1725.2	1714.2	1703.3	1754.4	1750.7	1739.8
42.5°	1407.9	1411.5	1393.3	1422.5	1429.7	1404.2	1400.6	1386.0	1433.4	1426.1	1422.5
45°	1086.9	1086.9	1072.3	1094.2	1101.5	1079.6	1072.3	1068.7	1101.5	1101.5	1094.2
47.5°	787.8	776.9	758.6	791.5	795.1	780.5	776.9	765.9	798.8	798.8	791.5
50°	539.8	536.2	532.5	539.8	543.4	525.2	536.2	525.2	543.4	543.4	543.4
52.5°	361.1	357.4	350.1	357.4	357.4	346.5	346.5	342.8	357.4	357.4	350.1
55°	226.1	222.5	218.8	222.5	222.5	211.5	218.8	211.5	218.8	218.8	215.2
57.5°	138.6	131.3	131.3	127.7	127.7	120.4	124.0	124.0	124.0	124.0	124.0
60°	80.2	76.6	72.9	72.9	72.9	69.3	69.3	69.3	69.3	69.3	69.3
62.5°	51.1	51.1	47.4	47.4	47.4	47.4	47.4	43.8	47.4	47.4	47.4
65°	43.8	40.1	40.1	40.1	40.1	36.5	36.5	36.5	36.5	36.5	36.5
67.5°	36.5	32.8	32.8	32.8	32.8	29.2	29.2	29.2	29.2	29.2	29.2
70°	29.2	25.5	25.5	25.5	25.5	25.5	21.9	25.5	25.5	21.9	21.9
72.5°	21.9	21.9	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
75°	14.6	14.6	14.6	14.6	14.6	10.9	10.9	10.9	10.9	10.9	10.9
77.5°	10.9	10.9	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
80°	7.3	7.3	7.3	7.3	7.3	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
85°	3.6	3.6	3.6	3.6	3.6	0.0	3.6	0.0	3.6	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: P212837

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3209.6	3173.2	3154.9	3191.4	3206.0	3187.8	3173.2	3147.6	3173.2	3187.8	3206.0
5°	3253.4	3220.6	3206.0	3231.5	3253.4	3235.2	3224.2	3198.7	3224.2	3235.2	3253.4
7.5°	3293.5	3260.7	3242.5	3268.0	3293.5	3268.0	3257.0	3235.2	3257.0	3268.0	3293.5
10°	3308.1	3271.6	3257.0	3278.9	3304.5	3278.9	3264.3	3249.8	3264.3	3278.9	3304.5
12.5°	3333.6	3297.2	3278.9	3297.2	3322.7	3297.2	3282.6	3271.6	3282.6	3297.2	3322.7
15°	3370.1	3337.3	3315.4	3333.6	3366.5	3337.3	3319.1	3315.4	3319.1	3337.3	3366.5
17.5°	3370.1	3344.6	3322.7	3337.3	3370.1	3348.2	3322.7	3330.0	3322.7	3348.2	3370.1
20°	3322.7	3297.2	3278.9	3278.9	3326.3	3297.2	3275.3	3286.2	3275.3	3297.2	3326.3
22.5°	3238.8	3216.9	3198.7	3195.0	3242.5	3216.9	3187.8	3209.6	3187.8	3216.9	3242.5
25°	3129.4	3107.5	3092.9	3085.6	3133.0	3103.9	3078.3	3100.2	3078.3	3103.9	3133.0
27.5°	2987.1	2968.9	2954.3	2943.4	2987.1	2961.6	2936.1	2958.0	2936.1	2961.6	2987.1
30°	2804.8	2793.8	2779.3	2764.7	2808.4	2782.9	2757.4	2786.5	2757.4	2782.9	2808.4
32.5°	2593.2	2585.9	2567.7	2553.1	2596.9	2567.7	2549.5	2571.4	2549.5	2567.7	2596.9
35°	2348.9	2337.9	2327.0	2301.5	2348.9	2323.3	2323.3	2330.6	2323.3	2323.3	2348.9
37.5°	2075.3	2068.0	2053.4	2031.6	2071.7	2053.4	2046.1	2068.0	2046.1	2053.4	2071.7
40°	1768.9	1765.3	1754.4	1728.8	1772.6	1754.4	1743.4	1772.6	1743.4	1754.4	1772.6
42.5°	1448.0	1440.7	1429.7	1426.1	1448.0	1433.4	1444.3	1444.3	1444.3	1433.4	1448.0
45°	1116.1	1108.8	1101.5	1086.9	1112.4	1105.1	1101.5	1108.8	1101.5	1105.1	1112.4
47.5°	809.7	802.4	795.1	784.2	809.7	798.8	798.8	806.1	798.8	798.8	809.7
50°	543.4	547.1	543.4	536.2	543.4	539.8	543.4	550.7	543.4	539.8	543.4
52.5°	361.1	361.1	353.8	350.1	357.4	353.8	364.7	357.4	364.7	353.8	357.4
55°	218.8	222.5	218.8	215.2	218.8	215.2	226.1	222.5	226.1	215.2	218.8
57.5°	124.0	124.0	127.7	124.0	131.3	127.7	127.7	127.7	127.7	127.7	131.3
60°	69.3	69.3	69.3	69.3	69.3	69.3	72.9	69.3	72.9	69.3	69.3
62.5°	47.4	47.4	47.4	43.8	47.4	43.8	47.4	47.4	47.4	43.8	47.4
65°	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
67.5°	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
70°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
72.5°	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
75°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
77.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
80°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	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: P212837

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3191.4	3154.9	3173.2	3209.6	3158.6	3202.3	3176.8	3133.0	3133.0	3165.9	3173.2
5°	3231.5	3206.0	3220.6	3253.4	3202.3	3246.1	3216.9	3173.2	3169.5	3202.3	3213.3
7.5°	3268.0	3242.5	3260.7	3293.5	3238.8	3282.6	3257.0	3209.6	3202.3	3235.2	3246.1
10°	3278.9	3257.0	3271.6	3308.1	3253.4	3293.5	3275.3	3224.2	3220.6	3246.1	3260.7
12.5°	3297.2	3278.9	3297.2	3333.6	3278.9	3319.1	3300.8	3249.8	3242.5	3275.3	3286.2
15°	3333.6	3315.4	3337.3	3370.1	3319.1	3351.9	3333.6	3282.6	3278.9	3304.5	3319.1
17.5°	3337.3	3322.7	3344.6	3370.1	3319.1	3351.9	3337.3	3282.6	3278.9	3308.1	3319.1
20°	3278.9	3278.9	3297.2	3322.7	3268.0	3300.8	3286.2	3231.5	3231.5	3257.0	3268.0
22.5°	3195.0	3198.7	3216.9	3238.8	3184.1	3216.9	3202.3	3147.6	3151.3	3173.2	3187.8
25°	3085.6	3092.9	3107.5	3129.4	3078.3	3107.5	3085.6	3041.9	3038.2	3063.7	3082.0
27.5°	2943.4	2954.3	2968.9	2987.1	2939.7	2961.6	2947.0	2903.3	2899.6	2925.1	2943.4
30°	2764.7	2779.3	2793.8	2804.8	2761.0	2782.9	2764.7	2724.5	2724.5	2746.4	2757.4
32.5°	2553.1	2567.7	2585.9	2593.2	2549.5	2575.0	2560.4	2516.6	2516.6	2538.5	2560.4
35°	2301.5	2327.0	2337.9	2348.9	2305.1	2319.7	2327.0	2268.6	2275.9	2294.2	2323.3
37.5°	2031.6	2053.4	2068.0	2075.3	2035.2	2049.8	2053.4	2002.4	2009.7	2024.3	2057.1
40°	1728.8	1754.4	1765.3	1768.9	1739.8	1750.7	1754.4	1703.3	1714.2	1725.2	1750.7
42.5°	1426.1	1429.7	1440.7	1448.0	1422.5	1426.1	1433.4	1386.0	1400.6	1404.2	1429.7
45°	1086.9	1101.5	1108.8	1116.1	1094.2	1101.5	1101.5	1068.7	1072.3	1079.6	1101.5
47.5°	784.2	795.1	802.4	809.7	791.5	798.8	798.8	765.9	776.9	780.5	795.1
50°	536.2	543.4	547.1	543.4	543.4	543.4	543.4	525.2	536.2	525.2	543.4
52.5°	350.1	353.8	361.1	361.1	350.1	357.4	357.4	342.8	346.5	346.5	357.4
55°	215.2	218.8	222.5	218.8	215.2	218.8	218.8	211.5	218.8	211.5	222.5
57.5°	124.0	127.7	124.0	124.0	124.0	124.0	124.0	124.0	124.0	120.4	127.7
60°	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	72.9
62.5°	43.8	47.4	47.4	47.4	47.4	47.4	47.4	43.8	47.4	47.4	47.4
65°	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	40.1
67.5°	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	32.8
70°	21.9	21.9	21.9	21.9	21.9	21.9	25.5	25.5	21.9	25.5	25.5
72.5°	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
75°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	14.6
77.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
80°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	7.3
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	3.6	0.0	3.6
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: P212837

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3169.5	3140.3	3140.3	3107.5	3136.7	3140.3	3103.9	3092.9	3133.0	3089.3	3111.2
5°	3198.7	3169.5	3169.5	3136.7	3158.6	3158.6	3122.1	3103.9	3144.0	3100.2	3118.5
7.5°	3235.2	3202.3	3195.0	3162.2	3180.5	3184.1	3140.3	3114.8	3154.9	3103.9	3122.1
10°	3246.1	3209.6	3206.0	3173.2	3187.8	3191.4	3140.3	3118.5	3151.3	3096.6	3107.5
12.5°	3271.6	3231.5	3231.5	3198.7	3209.6	3209.6	3158.6	3129.4	3158.6	3103.9	3111.2
15°	3300.8	3257.0	3257.0	3224.2	3231.5	3235.2	3173.2	3144.0	3169.5	3111.2	3118.5
17.5°	3300.8	3253.4	3253.4	3224.2	3227.9	3224.2	3165.9	3133.0	3151.3	3089.3	3092.9
20°	3249.8	3202.3	3209.6	3176.8	3180.5	3176.8	3114.8	3082.0	3100.2	3034.6	3041.9
22.5°	3165.9	3122.1	3129.4	3100.2	3100.2	3096.6	3038.2	3005.4	3023.6	2958.0	2961.6
25°	3060.1	3016.3	3023.6	2994.4	2998.1	2998.1	2939.7	2903.3	2921.5	2863.1	2863.1
27.5°	2921.5	2877.7	2888.7	2870.4	2859.5	2863.1	2812.1	2775.6	2793.8	2739.1	2739.1
30°	2742.8	2706.3	2717.2	2702.7	2691.7	2691.7	2647.9	2611.5	2629.7	2582.3	2578.6
32.5°	2531.2	2502.1	2513.0	2502.1	2491.1	2502.1	2454.6	2418.2	2436.4	2399.9	2403.6
35°	2301.5	2272.3	2279.6	2268.6	2261.3	2268.6	2221.2	2195.7	2213.9	2177.4	2192.0
37.5°	2046.1	1995.1	2017.0	2009.7	2002.4	2006.0	1962.3	1944.0	1965.9	1944.0	1955.0
40°	1747.1	1710.6	1725.2	1717.9	1710.6	1728.8	1696.0	1670.5	1688.7	1674.1	1696.0
42.5°	1422.5	1393.3	1411.5	1407.9	1396.9	1418.8	1393.3	1375.0	1404.2	1396.9	1415.2
45°	1094.2	1072.3	1086.9	1086.9	1083.3	1101.5	1076.0	1079.6	1108.8	1119.7	1141.6
47.5°	791.5	758.6	776.9	787.8	787.8	806.1	791.5	806.1	838.9	860.8	879.0
50°	539.8	532.5	536.2	539.8	547.1	561.7	558.0	579.9	601.8	638.3	660.2
52.5°	357.4	350.1	357.4	361.1	368.4	383.0	383.0	408.5	434.0	466.9	492.4
55°	222.5	218.8	222.5	226.1	233.4	248.0	251.7	277.2	302.7	335.6	357.4
57.5°	127.7	131.3	131.3	138.6	142.2	153.2	164.1	178.7	207.9	240.7	262.6
60°	72.9	72.9	76.6	80.2	83.9	94.8	102.1	116.7	138.6	171.4	186.0
62.5°	47.4	47.4	51.1	51.1	54.7	62.0	69.3	83.9	102.1	127.7	142.2
65°	40.1	40.1	40.1	43.8	43.8	51.1	58.4	69.3	83.9	102.1	116.7
67.5°	32.8	32.8	32.8	36.5	36.5	40.1	47.4	54.7	65.7	80.2	91.2
70°	25.5	25.5	25.5	29.2	29.2	32.8	36.5	40.1	51.1	62.0	69.3
72.5°	18.2	18.2	21.9	21.9	21.9	25.5	29.2	32.8	40.1	47.4	51.1
75°	14.6	14.6	14.6	14.6	18.2	18.2	21.9	25.5	29.2	32.8	36.5
77.5°	7.3	7.3	10.9	10.9	10.9	14.6	14.6	18.2	21.9	25.5	25.5
80°	7.3	7.3	7.3	7.3	7.3	10.9	10.9	10.9	14.6	18.2	18.2
82.5°	3.6	3.6	3.6	3.6	3.6	7.3	7.3	7.3	10.9	10.9	10.9
85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	7.3	7.3	7.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6	3.6
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: P212837

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3085.6	3096.6	3096.6	3085.6	3056.4	3082.0	3107.5	3082.0	3114.8	3056.4	3056.4
5°	3085.6	3092.9	3089.3	3074.7	3045.5	3067.4	3085.6	3060.1	3085.6	3030.9	3027.3
7.5°	3092.9	3085.6	3078.3	3060.1	3023.6	3038.2	3056.4	3027.3	3052.8	2994.4	2987.1
10°	3078.3	3067.4	3052.8	3027.3	2987.1	2998.1	3009.0	2983.5	3001.7	2943.4	2939.7
12.5°	3078.3	3060.1	3038.2	3009.0	2965.3	2972.6	2983.5	2950.7	2965.3	2910.6	2903.3
15°	3085.6	3052.8	3027.3	2994.4	2947.0	2950.7	2958.0	2921.5	2936.1	2877.7	2874.1
17.5°	3060.1	3023.6	2998.1	2958.0	2906.9	2910.6	2910.6	2874.1	2885.0	2826.7	2823.0
20°	3005.4	2961.6	2932.4	2896.0	2841.3	2841.3	2841.3	2804.8	2812.1	2761.0	2753.7
22.5°	2928.8	2881.4	2852.2	2815.7	2764.7	2761.0	2757.4	2728.2	2728.2	2680.8	2669.8
25°	2826.7	2782.9	2753.7	2720.9	2669.8	2662.5	2662.5	2637.0	2633.4	2589.6	2582.3
27.5°	2710.0	2658.9	2633.4	2604.2	2556.8	2549.5	2545.8	2531.2	2523.9	2476.5	2472.9
30°	2553.1	2509.4	2487.5	2461.9	2418.2	2410.9	2407.2	2392.6	2389.0	2341.6	2341.6
32.5°	2385.3	2330.6	2316.0	2290.5	2257.7	2254.0	2257.7	2239.4	2224.9	2192.0	2184.7
35°	2184.7	2130.0	2119.1	2108.1	2082.6	2075.3	2071.7	2068.0	2049.8	2027.9	2017.0
37.5°	1951.3	1903.9	1903.9	1900.2	1882.0	1882.0	1882.0	1874.7	1856.5	1849.2	1827.3
40°	1699.6	1663.2	1666.8	1670.5	1663.2	1666.8	1670.5	1663.2	1648.6	1641.3	1623.1
42.5°	1429.7	1411.5	1426.1	1437.0	1437.0	1448.0	1455.3	1455.3	1437.0	1433.4	1418.8
45°	1159.8	1156.2	1185.4	1207.3	1214.6	1232.8	1243.7	1236.4	1236.4	1236.4	1221.8
47.5°	908.2	922.8	948.3	992.1	1006.7	1028.5	1035.8	1046.8	1043.1	1046.8	1035.8
50°	689.3	722.2	755.0	798.8	820.6	846.2	857.1	871.7	871.7	875.4	868.1
52.5°	521.6	547.1	601.8	631.0	656.5	682.0	696.6	711.2	714.9	714.9	707.6
55°	386.6	423.1	459.6	499.7	521.6	547.1	558.0	572.6	572.6	579.9	572.6
57.5°	280.8	317.3	357.4	386.6	412.1	430.4	441.3	452.3	459.6	459.6	455.9
60°	207.9	237.1	269.9	299.1	321.0	339.2	346.5	357.4	361.1	361.1	353.8
62.5°	156.8	186.0	215.2	240.7	255.3	269.9	277.2	284.5	284.5	284.5	280.8
65°	127.7	149.5	171.4	193.3	207.9	218.8	222.5	229.8	226.1	229.8	226.1
67.5°	102.1	116.7	135.0	149.5	160.5	167.8	171.4	178.7	175.1	178.7	175.1
70°	76.6	91.2	102.1	113.1	120.4	127.7	131.3	135.0	131.3	135.0	131.3
72.5°	58.4	65.7	76.6	87.5	91.2	94.8	98.5	98.5	98.5	102.1	98.5
75°	40.1	47.4	54.7	58.4	65.7	69.3	69.3	72.9	72.9	72.9	72.9
77.5°	29.2	32.8	36.5	40.1	43.8	47.4	47.4	51.1	51.1	51.1	51.1
80°	18.2	21.9	21.9	25.5	29.2	29.2	32.8	32.8	32.8	32.8	32.8
82.5°	10.9	14.6	14.6	18.2	18.2	18.2	21.9	21.9	21.9	21.9	21.9
85°	7.3	7.3	7.3	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	7.3	7.3	3.6	3.6
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: P212837

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3133.0	3133.0	3133.0	3133.0
2.5°	3085.6	3067.4	3096.6	3052.8
5°	3052.8	3034.6	3071.0	3016.3
7.5°	3012.7	2994.4	3027.3	2972.6
10°	2961.6	2943.4	2972.6	2914.2
12.5°	2917.8	2899.6	2932.4	2877.7
15°	2885.0	2866.8	2896.0	2844.9
17.5°	2834.0	2812.1	2844.9	2790.2
20°	2761.0	2746.4	2772.0	2717.2
22.5°	2677.1	2662.5	2691.7	2637.0
25°	2589.6	2571.4	2600.5	2545.8
27.5°	2476.5	2461.9	2491.1	2436.4
30°	2341.6	2327.0	2356.2	2305.1
32.5°	2188.4	2173.8	2195.7	2151.9
35°	2013.3	2002.4	2024.3	1976.8
37.5°	1823.7	1812.7	1834.6	1787.2
40°	1619.4	1608.5	1626.7	1604.8
42.5°	1418.8	1407.9	1426.1	1407.9
45°	1221.8	1214.6	1232.8	1214.6
47.5°	1039.5	1032.2	1050.4	1032.2
50°	864.4	868.1	875.4	868.1
52.5°	707.6	707.6	718.5	707.6
55°	572.6	576.3	579.9	572.6
57.5°	455.9	455.9	459.6	455.9
60°	353.8	357.4	357.4	353.8
62.5°	280.8	280.8	280.8	280.8
65°	222.5	222.5	226.1	222.5
67.5°	175.1	171.4	175.1	171.4
70°	131.3	131.3	131.3	131.3
72.5°	102.1	102.1	98.5	98.5
75°	72.9	76.6	72.9	72.9
77.5°	51.1	51.1	51.1	51.1
80°	32.8	32.8	32.8	32.8
82.5°	21.9	21.9	21.9	21.9
85°	14.6	10.9	10.9	10.9
87.5°	7.3	3.6	3.6	3.6
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)