

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: P212870

Luminaire Tested: **LD6B70D010TE EU6B60709040 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212870
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 EU6B60709040 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5876.7 lumens
Efficiency: N/A
Efficacy: 74.0 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

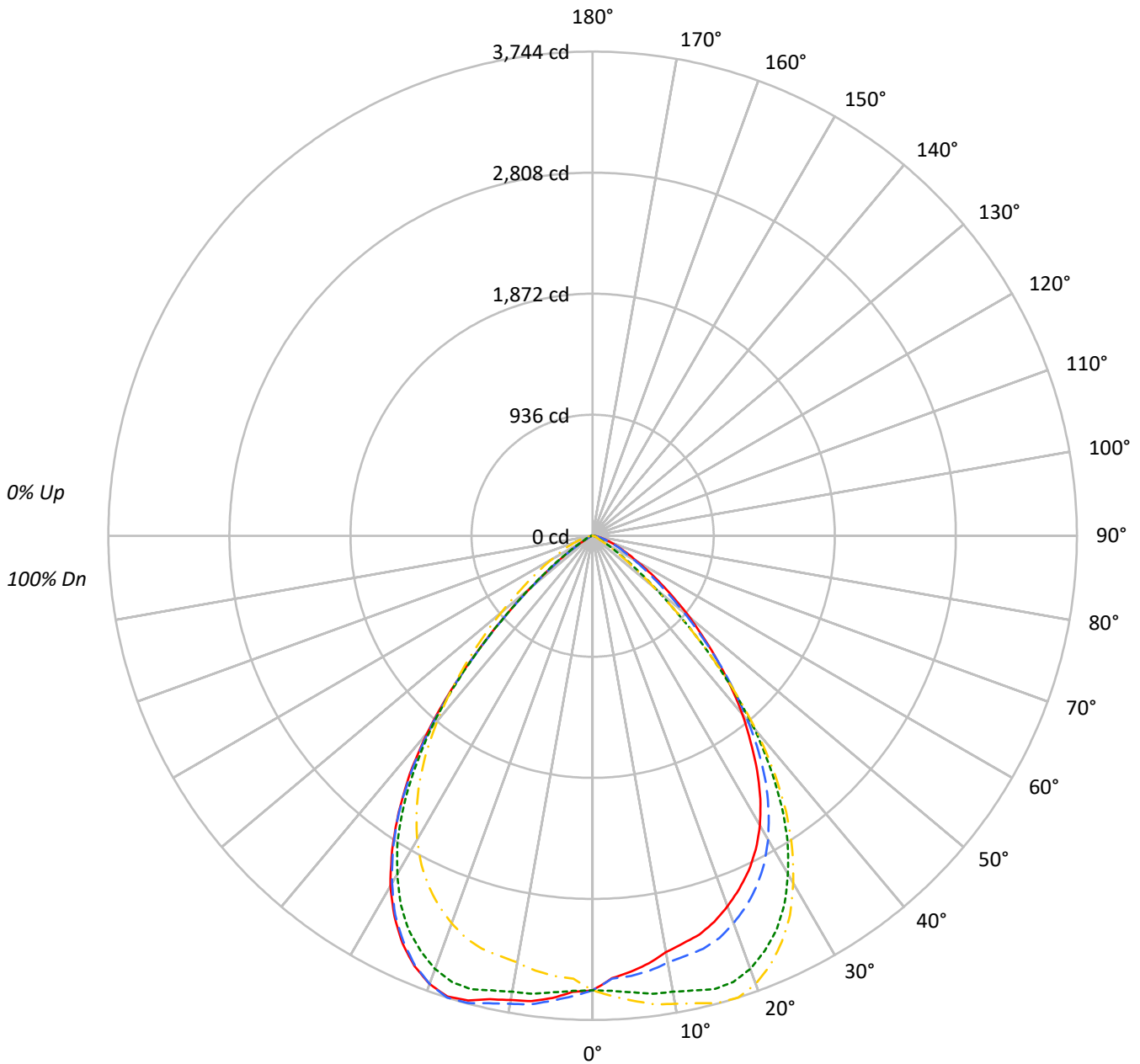
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212870

CATALOG NUMBER: LD6B70D010TE EU6B60709040 6LBSWLI1

Luminous Intensity Polar Plot





TEST NUMBER: P212870

CATALOG NUMBER: LD6B70D010TE EU6B60709040 6LBSWLI1

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°	192687	192687	192687	192687
5°	186215	194997	197474	194997
10°	181994	199306	202947	199306
15°	181136	205989	211097	205989
20°	177839	207918	215076	207918
25°	172758	203449	210381	203449
30°	163696	191156	197891	191156
35°	148422	170326	174984	170326
40°	128841	138796	142309	138796
45°	105639	95801	96436	95801
50°	83059	53738	52698	53738
55°	61398	26589	23856	26589
60°	43516	11666	8519	11666
65°	32377	7433	5305	7433
70°	23610	5898	3943	5898
75°	17326	4342	2605	4342
80°	11618	3883	1294	3883
85°	7737	2579	2579	2579



TEST NUMBER: P212870

CATALOG NUMBER: LD6B70D010TE EU6B60709040 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.5	5.7
10°-20°	996.6	17.0
20°-30°	1487.2	25.3
30°-40°	1528.0	26.0
40°-50°	989.5	16.8
50°-60°	367.9	6.3
60°-70°	120.7	2.1
70°-80°	42.6	0.7
80°-90°	7.7	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2820.3	48.0
0°-40°	4348.3	74.0
0°-60°	5705.7	97.1
0°-90°	5876.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5876.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3515	3515	3515	3515	3515	
5°	3384	3544	3588	3544	3384	320
15°	3192	3630	3720	3630	3192	898
25°	2856	3364	3478	3364	2856	1309
35°	2218	2545	2615	2545	2218	1377
45°	1363	1236	1244	1236	1363	1054
55°	642	278	250	278	642	586
65°	250	57	41	57	250	254
75°	82	20	12	20	82	90
85°	12	4	4	4	12	16
90°	0	0	0	0	0	



TEST NUMBER: P212870

CATALOG NUMBER: LD6B70D010TE EU6B60709040 6LBSWLI1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9
2.5°	3424.9	3474.0	3441.2	3461.7	3429.0	3429.0	3494.4	3457.6	3486.2	3457.6	3429.0
5°	3383.9	3445.3	3404.4	3424.9	3396.2	3400.3	3461.7	3433.0	3461.7	3441.2	3416.7
7.5°	3334.8	3396.2	3359.4	3379.9	3351.2	3359.4	3424.9	3396.2	3429.0	3408.5	3392.1
10°	3269.4	3334.8	3302.1	3322.6	3298.0	3302.1	3367.6	3347.1	3375.8	3363.5	3351.2
12.5°	3228.5	3289.8	3253.0	3273.5	3257.1	3265.3	3326.7	3310.3	3347.1	3334.8	3326.7
15°	3191.6	3248.9	3216.2	3236.6	3224.4	3228.5	3293.9	3277.6	3318.5	3310.3	3306.2
17.5°	3130.3	3191.6	3154.8	3179.4	3167.1	3171.2	3236.6	3224.4	3265.3	3265.3	3261.2
20°	3048.4	3109.8	3081.2	3097.5	3089.3	3097.5	3154.8	3146.6	3187.5	3187.5	3187.5
22.5°	2958.4	3019.8	2987.0	3003.4	2995.2	3007.5	3060.7	3060.7	3093.4	3097.5	3101.6
25°	2856.1	2917.5	2884.7	2905.2	2897.0	2905.2	2954.3	2958.4	2987.0	2987.0	2995.2
27.5°	2733.3	2794.7	2762.0	2778.4	2774.3	2778.4	2831.6	2839.7	2856.1	2860.2	2868.4
30°	2586.0	2643.3	2610.6	2627.0	2627.0	2627.0	2680.2	2684.2	2700.6	2704.7	2712.9
32.5°	2414.2	2463.3	2438.7	2455.1	2451.0	2459.2	2496.0	2512.4	2532.8	2528.8	2532.8
35°	2217.8	2271.0	2246.4	2258.7	2262.8	2275.1	2299.6	2320.1	2324.2	2328.3	2336.4
37.5°	2005.0	2058.2	2033.6	2045.9	2050.0	2074.6	2082.7	2103.2	2111.4	2111.4	2111.4
40°	1800.4	1825.0	1804.5	1816.8	1820.9	1841.3	1849.5	1865.9	1874.1	1870.0	1865.9
42.5°	1579.4	1599.9	1579.4	1591.7	1591.7	1608.1	1612.2	1632.6	1632.6	1624.5	1612.2
45°	1362.6	1383.0	1362.6	1370.8	1370.8	1387.1	1387.1	1387.1	1395.3	1383.0	1362.6
47.5°	1158.0	1178.4	1158.0	1166.2	1162.1	1174.4	1170.3	1174.4	1162.1	1153.9	1129.3
50°	973.9	982.0	973.9	969.8	973.9	982.0	977.9	977.9	961.6	949.3	920.7
52.5°	793.8	806.1	793.8	793.8	793.8	802.0	802.0	797.9	781.5	765.2	736.5
55°	642.4	650.6	646.5	642.4	642.4	650.6	642.4	642.4	626.1	613.8	585.1
57.5°	511.5	515.6	511.5	511.5	511.5	515.6	515.6	507.4	495.1	482.8	462.4
60°	396.9	401.0	401.0	396.9	396.9	405.1	405.1	401.0	388.7	380.5	360.1
62.5°	315.1	315.1	315.1	315.1	315.1	319.2	319.2	319.2	311.0	302.8	286.4
65°	249.6	253.7	249.6	249.6	253.7	257.8	253.7	257.8	249.6	245.5	233.2
67.5°	192.3	196.4	192.3	196.4	196.4	200.5	196.4	200.5	192.3	188.2	180.0
70°	147.3	147.3	147.3	147.3	147.3	151.4	147.3	151.4	147.3	143.2	135.0
72.5°	110.5	110.5	114.6	114.6	110.5	114.6	110.5	110.5	110.5	106.4	102.3
75°	81.8	81.8	85.9	81.8	81.8	81.8	81.8	81.8	77.7	77.7	73.7
77.5°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	53.2	53.2	49.1
80°	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	32.7	32.7
82.5°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	20.5	20.5
85°	12.3	12.3	12.3	16.4	12.3	12.3	12.3	12.3	12.3	12.3	12.3
87.5°	4.1	4.1	4.1	8.2	4.1	4.1	8.2	8.2	4.1	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212870

CATALOG NUMBER: LD6B70D010TE EU6B60709040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9
2.5°	3461.7	3474.0	3474.0	3461.7	3490.3	3465.8	3514.9	3469.9	3482.2	3523.1	3519.0
5°	3449.4	3465.8	3469.9	3461.7	3498.5	3478.1	3527.2	3482.2	3502.6	3543.5	3543.5
7.5°	3433.0	3453.5	3461.7	3469.9	3502.6	3482.2	3539.4	3494.4	3523.1	3572.2	3568.1
10°	3396.2	3424.9	3441.2	3453.5	3486.2	3474.0	3535.3	3498.5	3523.1	3580.4	3576.3
12.5°	3375.8	3408.5	3433.0	3453.5	3490.3	3482.2	3543.5	3510.8	3543.5	3600.8	3600.8
15°	3359.4	3396.2	3424.9	3461.7	3498.5	3490.3	3555.8	3527.2	3559.9	3629.5	3625.4
17.5°	3318.5	3363.5	3392.1	3433.0	3469.9	3465.8	3535.3	3514.9	3551.7	3617.2	3621.3
20°	3248.9	3289.8	3322.6	3371.7	3412.6	3404.4	3478.1	3457.6	3494.4	3564.0	3568.1
22.5°	3158.9	3199.8	3232.6	3285.7	3322.6	3318.5	3392.1	3371.7	3408.5	3474.0	3478.1
25°	3052.5	3089.3	3122.1	3171.2	3212.1	3212.1	3277.6	3257.1	3298.0	3363.5	3363.5
27.5°	2921.6	2954.3	2982.9	3040.2	3073.0	3073.0	3134.3	3113.9	3154.8	3212.1	3208.0
30°	2762.0	2790.6	2815.2	2864.3	2892.9	2897.0	2950.2	2929.8	2970.7	3019.8	3019.8
32.5°	2569.7	2598.3	2614.7	2676.1	2696.5	2692.4	2733.3	2712.9	2753.8	2807.0	2794.7
35°	2365.1	2377.4	2389.6	2451.0	2459.2	2442.8	2483.7	2463.3	2491.9	2545.1	2536.9
37.5°	2131.8	2135.9	2135.9	2189.1	2193.2	2180.9	2205.5	2180.9	2201.4	2250.5	2246.4
40°	1874.1	1870.0	1865.9	1906.8	1902.7	1878.2	1894.5	1874.1	1902.7	1939.5	1919.1
42.5°	1612.2	1599.9	1583.5	1604.0	1587.6	1567.2	1575.4	1542.6	1563.1	1591.7	1567.2
45°	1354.4	1329.8	1297.1	1301.2	1280.7	1256.2	1243.9	1211.2	1207.1	1235.7	1215.3
47.5°	1113.0	1063.9	1035.2	1018.9	986.1	965.7	941.1	904.3	887.9	904.3	883.8
50°	896.1	847.0	810.2	773.4	740.6	716.1	675.2	650.6	626.1	630.1	613.8
52.5°	707.9	675.2	613.8	585.1	552.4	523.8	486.9	458.3	429.6	429.6	413.3
55°	560.6	515.6	474.7	433.7	401.0	376.4	339.6	311.0	282.3	278.2	261.9
57.5°	433.7	401.0	356.0	315.1	294.6	270.1	233.2	200.5	184.1	171.9	159.6
60°	335.5	302.8	266.0	233.2	208.7	192.3	155.5	130.9	114.6	106.4	94.1
62.5°	270.1	241.4	208.7	175.9	159.6	143.2	114.6	94.1	77.7	69.6	61.4
65°	216.9	192.3	167.8	143.2	130.9	114.6	94.1	77.7	65.5	57.3	49.1
67.5°	167.8	151.4	130.9	114.6	102.3	90.0	73.7	61.4	53.2	45.0	40.9
70°	126.8	114.6	102.3	85.9	77.7	69.6	57.3	45.0	40.9	36.8	32.7
72.5°	98.2	85.9	73.7	65.5	57.3	53.2	45.0	36.8	32.7	28.6	24.6
75°	65.5	61.4	53.2	45.0	40.9	36.8	32.7	28.6	24.6	20.5	20.5
77.5°	45.0	40.9	36.8	32.7	28.6	28.6	24.6	20.5	16.4	16.4	12.3
80°	28.6	24.6	24.6	20.5	20.5	20.5	16.4	12.3	12.3	12.3	8.2
82.5°	20.5	16.4	16.4	12.3	12.3	12.3	12.3	8.2	8.2	8.2	4.1
85°	12.3	8.2	8.2	8.2	8.2	8.2	8.2	4.1	4.1	4.1	4.1
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212870

CATALOG NUMBER: LD6B70D010TE EU6B60709040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9
2.5°	3486.2	3523.1	3523.1	3555.8	3559.9	3551.7	3514.9	3514.9	3564.0	3592.6	3543.5
5°	3519.0	3555.8	3555.8	3588.5	3604.9	3592.6	3555.8	3559.9	3609.0	3641.7	3592.6
7.5°	3547.6	3584.4	3592.6	3629.5	3641.7	3629.5	3592.6	3600.8	3654.0	3682.7	3633.5
10°	3559.9	3596.7	3600.8	3641.7	3658.1	3641.7	3613.1	3617.2	3674.5	3694.9	3649.9
12.5°	3588.5	3625.4	3625.4	3670.4	3686.7	3674.5	3637.6	3645.8	3703.1	3723.6	3678.6
15°	3617.2	3654.0	3654.0	3703.1	3723.6	3707.2	3678.6	3682.7	3739.9	3760.4	3723.6
17.5°	3617.2	3649.9	3649.9	3703.1	3723.6	3711.3	3678.6	3682.7	3744.0	3760.4	3723.6
20°	3564.0	3600.8	3592.6	3645.8	3666.3	3654.0	3625.4	3625.4	3686.7	3703.1	3666.3
22.5°	3478.1	3510.8	3502.6	3551.7	3576.3	3559.9	3535.3	3531.3	3592.6	3609.0	3572.2
25°	3359.4	3392.1	3383.9	3433.0	3457.6	3437.1	3408.5	3412.6	3461.7	3486.2	3453.5
27.5°	3220.3	3240.7	3228.5	3277.6	3302.1	3281.7	3253.0	3257.1	3306.2	3322.6	3298.0
30°	3032.1	3048.4	3036.1	3077.1	3093.4	3081.2	3056.6	3056.6	3101.6	3122.1	3097.5
32.5°	2807.0	2819.3	2807.0	2839.7	2872.5	2847.9	2823.4	2823.4	2872.5	2888.8	2860.2
35°	2545.1	2557.4	2549.2	2581.9	2606.5	2573.8	2553.3	2545.1	2610.6	2602.4	2586.0
37.5°	2254.6	2262.8	2238.2	2295.5	2307.8	2271.0	2254.6	2246.4	2303.7	2299.6	2283.2
40°	1927.3	1935.4	1919.1	1960.0	1964.1	1935.4	1923.2	1910.9	1968.2	1964.1	1951.8
42.5°	1579.4	1583.5	1563.1	1595.8	1604.0	1575.4	1571.3	1554.9	1608.1	1599.9	1595.8
45°	1219.4	1219.4	1203.0	1227.6	1235.7	1211.2	1203.0	1198.9	1235.7	1235.7	1227.6
47.5°	883.8	871.6	851.1	887.9	892.0	875.7	871.6	859.3	896.1	896.1	887.9
50°	605.6	601.5	597.4	605.6	609.7	589.2	601.5	589.2	609.7	609.7	609.7
52.5°	405.1	401.0	392.8	401.0	401.0	388.7	388.7	384.6	401.0	401.0	392.8
55°	253.7	249.6	245.5	249.6	249.6	237.3	245.5	237.3	245.5	245.5	241.4
57.5°	155.5	147.3	147.3	143.2	143.2	135.0	139.1	139.1	139.1	139.1	139.1
60°	90.0	85.9	81.8	81.8	81.8	77.7	77.7	77.7	77.7	77.7	77.7
62.5°	57.3	57.3	53.2	53.2	53.2	53.2	53.2	49.1	53.2	53.2	53.2
65°	49.1	45.0	45.0	45.0	45.0	40.9	40.9	40.9	40.9	40.9	40.9
67.5°	40.9	36.8	36.8	36.8	36.8	32.7	32.7	32.7	32.7	32.7	32.7
70°	32.7	28.6	28.6	28.6	28.6	28.6	24.6	28.6	28.6	24.6	24.6
72.5°	24.6	24.6	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
75°	16.4	16.4	16.4	16.4	16.4	12.3	12.3	12.3	12.3	12.3	12.3
77.5°	12.3	12.3	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	8.2	8.2	8.2	8.2	8.2	4.1	4.1	4.1	4.1	4.1	4.1
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	4.1	4.1	4.1	4.1	4.1	0.0	4.1	0.0	4.1	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212870

CATALOG NUMBER: LD6B70D010TE EU6B60709040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9
2.5°	3600.8	3559.9	3539.4	3580.4	3596.7	3576.3	3559.9	3531.3	3559.9	3576.3	3596.7
5°	3649.9	3613.1	3596.7	3625.4	3649.9	3629.5	3617.2	3588.5	3617.2	3629.5	3649.9
7.5°	3694.9	3658.1	3637.6	3666.3	3694.9	3666.3	3654.0	3629.5	3654.0	3666.3	3694.9
10°	3711.3	3670.4	3654.0	3678.6	3707.2	3678.6	3662.2	3645.8	3662.2	3678.6	3707.2
12.5°	3739.9	3699.0	3678.6	3699.0	3727.7	3699.0	3682.7	3670.4	3682.7	3699.0	3727.7
15°	3780.9	3744.0	3719.5	3739.9	3776.8	3744.0	3723.6	3719.5	3723.6	3744.0	3776.8
17.5°	3780.9	3752.2	3727.7	3744.0	3780.9	3756.3	3727.7	3735.8	3727.7	3756.3	3780.9
20°	3727.7	3699.0	3678.6	3678.6	3731.8	3699.0	3674.5	3686.7	3674.5	3699.0	3731.8
22.5°	3633.5	3609.0	3588.5	3584.4	3637.6	3609.0	3576.3	3600.8	3576.3	3609.0	3637.6
25°	3510.8	3486.2	3469.9	3461.7	3514.9	3482.2	3453.5	3478.1	3453.5	3482.2	3514.9
27.5°	3351.2	3330.8	3314.4	3302.1	3351.2	3322.6	3293.9	3318.5	3293.9	3322.6	3351.2
30°	3146.6	3134.3	3118.0	3101.6	3150.7	3122.1	3093.4	3126.2	3093.4	3122.1	3150.7
32.5°	2909.3	2901.1	2880.7	2864.3	2913.4	2880.7	2860.2	2884.7	2860.2	2880.7	2913.4
35°	2635.1	2622.9	2610.6	2581.9	2635.1	2606.5	2606.5	2614.7	2606.5	2606.5	2635.1
37.5°	2328.3	2320.1	2303.7	2279.2	2324.2	2303.7	2295.5	2320.1	2295.5	2303.7	2324.2
40°	1984.5	1980.4	1968.2	1939.5	1988.6	1968.2	1955.9	1988.6	1955.9	1968.2	1988.6
42.5°	1624.5	1616.3	1604.0	1599.9	1624.5	1608.1	1620.4	1620.4	1620.4	1608.1	1624.5
45°	1252.1	1243.9	1235.7	1219.4	1248.0	1239.8	1235.7	1243.9	1235.7	1239.8	1248.0
47.5°	908.4	900.2	892.0	879.7	908.4	896.1	896.1	904.3	896.1	896.1	908.4
50°	609.7	613.8	609.7	601.5	609.7	605.6	609.7	617.9	609.7	605.6	609.7
52.5°	405.1	405.1	396.9	392.8	401.0	396.9	409.2	401.0	409.2	396.9	401.0
55°	245.5	249.6	245.5	241.4	245.5	241.4	253.7	249.6	253.7	241.4	245.5
57.5°	139.1	139.1	143.2	139.1	147.3	143.2	143.2	143.2	143.2	143.2	147.3
60°	77.7	77.7	77.7	77.7	77.7	77.7	81.8	77.7	81.8	77.7	77.7
62.5°	53.2	53.2	53.2	49.1	53.2	49.1	53.2	53.2	53.2	49.1	53.2
65°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
67.5°	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
70°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
72.5°	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
75°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
77.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212870

CATALOG NUMBER: LD6B70D010TE EU6B60709040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9
2.5°	3580.4	3539.4	3559.9	3600.8	3543.5	3592.6	3564.0	3514.9	3514.9	3551.7	3559.9
5°	3625.4	3596.7	3613.1	3649.9	3592.6	3641.7	3609.0	3559.9	3555.8	3592.6	3604.9
7.5°	3666.3	3637.6	3658.1	3694.9	3633.5	3682.7	3654.0	3600.8	3592.6	3629.5	3641.7
10°	3678.6	3654.0	3670.4	3711.3	3649.9	3694.9	3674.5	3617.2	3613.1	3641.7	3658.1
12.5°	3699.0	3678.6	3699.0	3739.9	3678.6	3723.6	3703.1	3645.8	3637.6	3674.5	3686.7
15°	3739.9	3719.5	3744.0	3780.9	3723.6	3760.4	3739.9	3682.7	3678.6	3707.2	3723.6
17.5°	3744.0	3727.7	3752.2	3780.9	3723.6	3760.4	3744.0	3682.7	3678.6	3711.3	3723.6
20°	3678.6	3678.6	3699.0	3727.7	3666.3	3703.1	3686.7	3625.4	3625.4	3654.0	3666.3
22.5°	3584.4	3588.5	3609.0	3633.5	3572.2	3609.0	3592.6	3531.3	3535.3	3559.9	3576.3
25°	3461.7	3469.9	3486.2	3510.8	3453.5	3486.2	3461.7	3412.6	3408.5	3437.1	3457.6
27.5°	3302.1	3314.4	3330.8	3351.2	3298.0	3322.6	3306.2	3257.1	3253.0	3281.7	3302.1
30°	3101.6	3118.0	3134.3	3146.6	3097.5	3122.1	3101.6	3056.6	3056.6	3081.2	3093.4
32.5°	2864.3	2880.7	2901.1	2909.3	2860.2	2888.8	2872.5	2823.4	2823.4	2847.9	2872.5
35°	2581.9	2610.6	2622.9	2635.1	2586.0	2602.4	2610.6	2545.1	2553.3	2573.8	2606.5
37.5°	2279.2	2303.7	2320.1	2328.3	2283.2	2299.6	2303.7	2246.4	2254.6	2271.0	2307.8
40°	1939.5	1968.2	1980.4	1984.5	1951.8	1964.1	1968.2	1910.9	1923.2	1935.4	1964.1
42.5°	1599.9	1604.0	1616.3	1624.5	1595.8	1599.9	1608.1	1554.9	1571.3	1575.4	1604.0
45°	1219.4	1235.7	1243.9	1252.1	1227.6	1235.7	1235.7	1198.9	1203.0	1211.2	1235.7
47.5°	879.7	892.0	900.2	908.4	887.9	896.1	896.1	859.3	871.6	875.7	892.0
50°	601.5	609.7	613.8	609.7	609.7	609.7	609.7	589.2	601.5	589.2	609.7
52.5°	392.8	396.9	405.1	405.1	392.8	401.0	401.0	384.6	388.7	388.7	401.0
55°	241.4	245.5	249.6	245.5	241.4	245.5	245.5	237.3	245.5	237.3	249.6
57.5°	139.1	143.2	139.1	139.1	139.1	139.1	139.1	139.1	139.1	135.0	143.2
60°	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	81.8
62.5°	49.1	53.2	53.2	53.2	53.2	53.2	53.2	49.1	53.2	53.2	53.2
65°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	45.0
67.5°	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	36.8
70°	24.6	24.6	24.6	24.6	24.6	24.6	28.6	28.6	24.6	28.6	28.6
72.5°	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
75°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	16.4
77.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	8.2
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	4.1	0.0	4.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212870

CATALOG NUMBER: LD6B70D010TE EU6B60709040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9
2.5°	3555.8	3523.1	3523.1	3486.2	3519.0	3523.1	3482.2	3469.9	3514.9	3465.8	3490.3
5°	3588.5	3555.8	3555.8	3519.0	3543.5	3543.5	3502.6	3482.2	3527.2	3478.1	3498.5
7.5°	3629.5	3592.6	3584.4	3547.6	3568.1	3572.2	3523.1	3494.4	3539.4	3482.2	3502.6
10°	3641.7	3600.8	3596.7	3559.9	3576.3	3580.4	3523.1	3498.5	3535.3	3474.0	3486.2
12.5°	3670.4	3625.4	3625.4	3588.5	3600.8	3600.8	3543.5	3510.8	3543.5	3482.2	3490.3
15°	3703.1	3654.0	3654.0	3617.2	3625.4	3629.5	3559.9	3527.2	3555.8	3490.3	3498.5
17.5°	3703.1	3649.9	3649.9	3617.2	3621.3	3617.2	3551.7	3514.9	3535.3	3465.8	3469.9
20°	3645.8	3592.6	3600.8	3564.0	3568.1	3564.0	3494.4	3457.6	3478.1	3404.4	3412.6
22.5°	3551.7	3502.6	3510.8	3478.1	3478.1	3474.0	3408.5	3371.7	3392.1	3318.5	3322.6
25°	3433.0	3383.9	3392.1	3359.4	3363.5	3363.5	3298.0	3257.1	3277.6	3212.1	3212.1
27.5°	3277.6	3228.5	3240.7	3220.3	3208.0	3212.1	3154.8	3113.9	3134.3	3073.0	3073.0
30°	3077.1	3036.1	3048.4	3032.1	3019.8	3019.8	2970.7	2929.8	2950.2	2897.0	2892.9
32.5°	2839.7	2807.0	2819.3	2807.0	2794.7	2807.0	2753.8	2712.9	2733.3	2692.4	2696.5
35°	2581.9	2549.2	2557.4	2545.1	2536.9	2545.1	2491.9	2463.3	2483.7	2442.8	2459.2
37.5°	2295.5	2238.2	2262.8	2254.6	2246.4	2250.5	2201.4	2180.9	2205.5	2180.9	2193.2
40°	1960.0	1919.1	1935.4	1927.3	1919.1	1939.5	1902.7	1874.1	1894.5	1878.2	1902.7
42.5°	1595.8	1563.1	1583.5	1579.4	1567.2	1591.7	1563.1	1542.6	1575.4	1567.2	1587.6
45°	1227.6	1203.0	1219.4	1219.4	1215.3	1235.7	1207.1	1211.2	1243.9	1256.2	1280.7
47.5°	887.9	851.1	871.6	883.8	883.8	904.3	887.9	904.3	941.1	965.7	986.1
50°	605.6	597.4	601.5	605.6	613.8	630.1	626.1	650.6	675.2	716.1	740.6
52.5°	401.0	392.8	401.0	405.1	413.3	429.6	429.6	458.3	486.9	523.8	552.4
55°	249.6	245.5	249.6	253.7	261.9	278.2	282.3	311.0	339.6	376.4	401.0
57.5°	143.2	147.3	147.3	155.5	159.6	171.9	184.1	200.5	233.2	270.1	294.6
60°	81.8	81.8	85.9	90.0	94.1	106.4	114.6	130.9	155.5	192.3	208.7
62.5°	53.2	53.2	57.3	57.3	61.4	69.6	77.7	94.1	114.6	143.2	159.6
65°	45.0	45.0	45.0	49.1	49.1	57.3	65.5	77.7	94.1	114.6	130.9
67.5°	36.8	36.8	36.8	40.9	40.9	45.0	53.2	61.4	73.7	90.0	102.3
70°	28.6	28.6	28.6	32.7	32.7	36.8	40.9	45.0	57.3	69.6	77.7
72.5°	20.5	20.5	24.6	24.6	24.6	28.6	32.7	36.8	45.0	53.2	57.3
75°	16.4	16.4	16.4	16.4	20.5	20.5	24.6	28.6	32.7	36.8	40.9
77.5°	8.2	8.2	12.3	12.3	12.3	16.4	16.4	20.5	24.6	28.6	28.6
80°	8.2	8.2	8.2	8.2	8.2	12.3	12.3	12.3	16.4	20.5	20.5
82.5°	4.1	4.1	4.1	4.1	4.1	8.2	8.2	8.2	12.3	12.3	12.3
85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	8.2	8.2	8.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.1	4.1	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212870

CATALOG NUMBER: LD6B70D010TE EU6B60709040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9	3514.9
2.5°	3461.7	3474.0	3474.0	3461.7	3429.0	3457.6	3486.2	3457.6	3494.4	3429.0	3429.0
5°	3461.7	3469.9	3465.8	3449.4	3416.7	3441.2	3461.7	3433.0	3461.7	3400.3	3396.2
7.5°	3469.9	3461.7	3453.5	3433.0	3392.1	3408.5	3429.0	3396.2	3424.9	3359.4	3351.2
10°	3453.5	3441.2	3424.9	3396.2	3351.2	3363.5	3375.8	3347.1	3367.6	3302.1	3298.0
12.5°	3453.5	3433.0	3408.5	3375.8	3326.7	3334.8	3347.1	3310.3	3326.7	3265.3	3257.1
15°	3461.7	3424.9	3396.2	3359.4	3306.2	3310.3	3318.5	3277.6	3293.9	3228.5	3224.4
17.5°	3433.0	3392.1	3363.5	3318.5	3261.2	3265.3	3265.3	3224.4	3236.6	3171.2	3167.1
20°	3371.7	3322.6	3289.8	3248.9	3187.5	3187.5	3187.5	3146.6	3154.8	3097.5	3089.3
22.5°	3285.7	3232.6	3199.8	3158.9	3101.6	3097.5	3093.4	3060.7	3060.7	3007.5	2995.2
25°	3171.2	3122.1	3089.3	3052.5	2995.2	2987.0	2987.0	2958.4	2954.3	2905.2	2897.0
27.5°	3040.2	2982.9	2954.3	2921.6	2868.4	2860.2	2856.1	2839.7	2831.6	2778.4	2774.3
30°	2864.3	2815.2	2790.6	2762.0	2712.9	2704.7	2700.6	2684.2	2680.2	2627.0	2627.0
32.5°	2676.1	2614.7	2598.3	2569.7	2532.8	2528.8	2532.8	2512.4	2496.0	2459.2	2451.0
35°	2451.0	2389.6	2377.4	2365.1	2336.4	2328.3	2324.2	2320.1	2299.6	2275.1	2262.8
37.5°	2189.1	2135.9	2135.9	2131.8	2111.4	2111.4	2111.4	2103.2	2082.7	2074.6	2050.0
40°	1906.8	1865.9	1870.0	1874.1	1865.9	1870.0	1874.1	1865.9	1849.5	1841.3	1820.9
42.5°	1604.0	1583.5	1599.9	1612.2	1612.2	1624.5	1632.6	1632.6	1612.2	1608.1	1591.7
45°	1301.2	1297.1	1329.8	1354.4	1362.6	1383.0	1395.3	1387.1	1387.1	1387.1	1370.8
47.5°	1018.9	1035.2	1063.9	1113.0	1129.3	1153.9	1162.1	1174.4	1170.3	1174.4	1162.1
50°	773.4	810.2	847.0	896.1	920.7	949.3	961.6	977.9	977.9	982.0	973.9
52.5°	585.1	613.8	675.2	707.9	736.5	765.2	781.5	797.9	802.0	802.0	793.8
55°	433.7	474.7	515.6	560.6	585.1	613.8	626.1	642.4	642.4	650.6	642.4
57.5°	315.1	356.0	401.0	433.7	462.4	482.8	495.1	507.4	515.6	515.6	511.5
60°	233.2	266.0	302.8	335.5	360.1	380.5	388.7	401.0	405.1	405.1	396.9
62.5°	175.9	208.7	241.4	270.1	286.4	302.8	311.0	319.2	319.2	319.2	315.1
65°	143.2	167.8	192.3	216.9	233.2	245.5	249.6	257.8	253.7	257.8	253.7
67.5°	114.6	130.9	151.4	167.8	180.0	188.2	192.3	200.5	196.4	200.5	196.4
70°	85.9	102.3	114.6	126.8	135.0	143.2	147.3	151.4	147.3	151.4	147.3
72.5°	65.5	73.7	85.9	98.2	102.3	106.4	110.5	110.5	110.5	114.6	110.5
75°	45.0	53.2	61.4	65.5	73.7	77.7	77.7	81.8	81.8	81.8	81.8
77.5°	32.7	36.8	40.9	45.0	49.1	53.2	53.2	57.3	57.3	57.3	57.3
80°	20.5	24.6	24.6	28.6	32.7	32.7	36.8	36.8	36.8	36.8	36.8
82.5°	12.3	16.4	16.4	20.5	20.5	20.5	24.6	24.6	24.6	24.6	24.6
85°	8.2	8.2	8.2	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	8.2	8.2	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212870

CATALOG NUMBER: LD6B70D010TE EU6B60709040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3514.9	3514.9	3514.9	3514.9
2.5°	3461.7	3441.2	3474.0	3424.9
5°	3424.9	3404.4	3445.3	3383.9
7.5°	3379.9	3359.4	3396.2	3334.8
10°	3322.6	3302.1	3334.8	3269.4
12.5°	3273.5	3253.0	3289.8	3228.5
15°	3236.6	3216.2	3248.9	3191.6
17.5°	3179.4	3154.8	3191.6	3130.3
20°	3097.5	3081.2	3109.8	3048.4
22.5°	3003.4	2987.0	3019.8	2958.4
25°	2905.2	2884.7	2917.5	2856.1
27.5°	2778.4	2762.0	2794.7	2733.3
30°	2627.0	2610.6	2643.3	2586.0
32.5°	2455.1	2438.7	2463.3	2414.2
35°	2258.7	2246.4	2271.0	2217.8
37.5°	2045.9	2033.6	2058.2	2005.0
40°	1816.8	1804.5	1825.0	1800.4
42.5°	1591.7	1579.4	1599.9	1579.4
45°	1370.8	1362.6	1383.0	1362.6
47.5°	1166.2	1158.0	1178.4	1158.0
50°	969.8	973.9	982.0	973.9
52.5°	793.8	793.8	806.1	793.8
55°	642.4	646.5	650.6	642.4
57.5°	511.5	511.5	515.6	511.5
60°	396.9	401.0	401.0	396.9
62.5°	315.1	315.1	315.1	315.1
65°	249.6	249.6	253.7	249.6
67.5°	196.4	192.3	196.4	192.3
70°	147.3	147.3	147.3	147.3
72.5°	114.6	114.6	110.5	110.5
75°	81.8	85.9	81.8	81.8
77.5°	57.3	57.3	57.3	57.3
80°	36.8	36.8	36.8	36.8
82.5°	24.6	24.6	24.6	24.6
85°	16.4	12.3	12.3	12.3
87.5°	8.2	4.1	4.1	4.1
90°	0.0	0.0	0.0	0.0



Report Generated By E9808895 / USPTCWHP6082093





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





















(END OF REPORT)