

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: P212850

Luminaire Tested: **LD6B60D010TE EU6B60708035 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212850
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: LD6B60D010TE EU6B60708035 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: 5852.7 lumens
Efficiency: N/A
Efficacy: 93.7 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

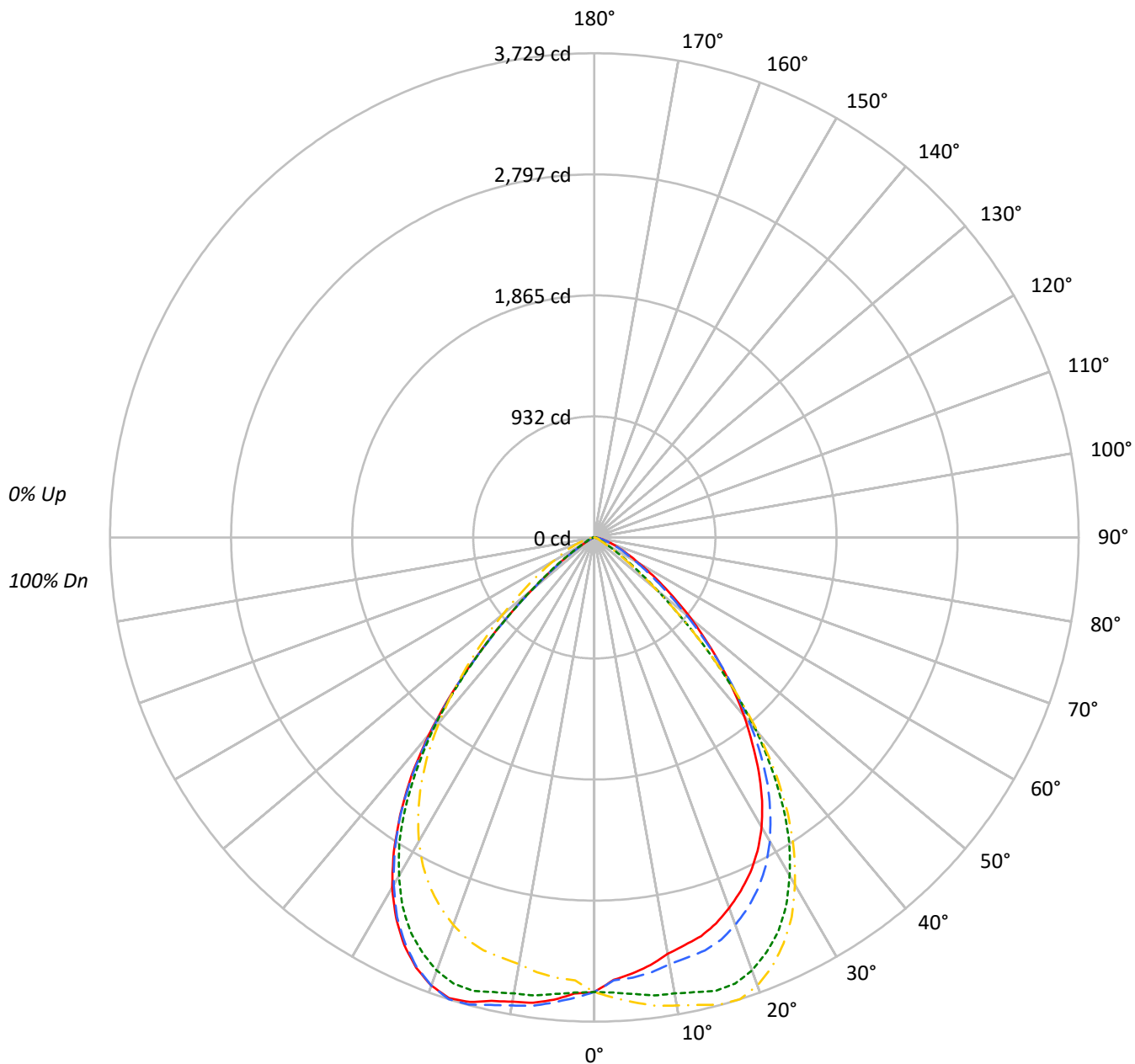
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212850

CATALOG NUMBER: LD6B60D010TE EU6B60708035 6LBSWL11

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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	191898	191898	191898	191898
5°	185455	194205	196670	194205
10°	181248	198488	202117	198488
15°	180398	205143	210234	205143
20°	177115	207066	214201	207066
25°	172050	202621	209522	202621
30°	163031	190371	197081	190371
35°	147813	169630	174268	169630
40°	128319	138230	141730	138230
45°	105205	95413	96041	95413
50°	82718	53525	52476	53525
55°	61150	26484	23760	26484
60°	43341	11622	8486	11622
65°	32247	7407	5292	7407
70°	23514	5882	3927	5882
75°	17262	4321	2584	4321
80°	11586	3852	1294	3852
85°	7674	2579	2579	2579



TEST NUMBER: P212850

CATALOG NUMBER: LD6B60D010TE EU6B60708035 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.1	5.7
10°-20°	992.5	17.0
20°-30°	1481.1	25.3
30°-40°	1521.7	26.0
40°-50°	985.4	16.8
50°-60°	366.4	6.3
60°-70°	120.2	2.1
70°-80°	42.4	0.7
80°-90°	7.6	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°	2808.8	48.0
0°-40°	4330.5	74.0
0°-60°	5682.4	97.1
0°-90°	5852.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5852.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3500	3500	3500	3500	3500	
5°	3370	3529	3574	3529	3370	318
15°	3179	3615	3704	3615	3179	894
25°	2844	3350	3464	3350	2844	1304
35°	2209	2535	2604	2535	2209	1371
45°	1357	1231	1239	1231	1357	1049
55°	640	277	249	277	640	583
65°	249	57	41	57	249	253
75°	82	20	12	20	82	90
85°	12	4	4	4	12	16
90°	0	0	0	0	0	



TEST NUMBER: P212850

CATALOG NUMBER: LD6B60D010TE EU6B60708035 6LBSWL11

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5
2.5°	3410.9	3459.8	3427.2	3447.6	3415.0	3415.0	3480.2	3443.5	3472.0	3443.5	3415.0
5°	3370.1	3431.3	3390.5	3410.9	3382.4	3386.4	3447.6	3419.0	3447.6	3427.2	3402.7
7.5°	3321.2	3382.4	3345.7	3366.1	3337.5	3345.7	3410.9	3382.4	3415.0	3394.6	3378.3
10°	3256.0	3321.2	3288.6	3309.0	3284.6	3288.6	3353.8	3333.5	3362.0	3349.8	3337.5
12.5°	3215.3	3276.4	3239.7	3260.1	3243.8	3252.0	3313.1	3296.8	3333.5	3321.2	3313.1
15°	3178.6	3235.7	3203.1	3223.4	3211.2	3215.3	3280.5	3264.2	3304.9	3296.8	3292.7
17.5°	3117.5	3178.6	3141.9	3166.4	3154.1	3158.2	3223.4	3211.2	3252.0	3252.0	3247.9
20°	3036.0	3097.1	3068.6	3084.9	3076.7	3084.9	3141.9	3133.8	3174.5	3174.5	3174.5
22.5°	2946.3	3007.4	2974.8	2991.1	2983.0	2995.2	3048.2	3048.2	3080.8	3084.9	3088.9
25°	2844.4	2905.6	2873.0	2893.3	2885.2	2893.3	2942.2	2946.3	2974.8	2974.8	2983.0
27.5°	2722.2	2783.3	2750.7	2767.0	2762.9	2767.0	2820.0	2828.1	2844.4	2848.5	2856.7
30°	2575.5	2632.5	2599.9	2616.2	2616.2	2616.2	2669.2	2673.3	2689.6	2693.7	2701.8
32.5°	2404.3	2453.2	2428.8	2445.1	2441.0	2449.2	2485.8	2502.1	2522.5	2518.4	2522.5
35°	2208.7	2261.7	2237.2	2249.5	2253.5	2265.8	2290.2	2310.6	2314.7	2318.7	2326.9
37.5°	1996.8	2049.8	2025.3	2037.6	2041.6	2066.1	2074.2	2094.6	2102.8	2102.8	2102.8
40°	1793.1	1817.5	1797.1	1809.4	1813.4	1833.8	1842.0	1858.3	1866.4	1862.3	1858.3
42.5°	1573.0	1593.4	1573.0	1585.2	1585.2	1601.5	1605.6	1626.0	1626.0	1617.8	1605.6
45°	1357.0	1377.4	1357.0	1365.2	1365.2	1381.5	1381.5	1381.5	1389.6	1377.4	1357.0
47.5°	1153.3	1173.6	1153.3	1161.4	1157.3	1169.6	1165.5	1169.6	1157.3	1149.2	1124.7
50°	969.9	978.0	969.9	965.8	969.9	978.0	974.0	974.0	957.7	945.4	916.9
52.5°	790.6	802.8	790.6	790.6	790.6	798.7	798.7	794.6	778.3	762.0	733.5
55°	639.8	647.9	643.9	639.8	639.8	647.9	639.8	639.8	623.5	611.3	582.7
57.5°	509.4	513.5	509.4	509.4	509.4	513.5	513.5	505.3	493.1	480.9	460.5
60°	395.3	399.4	399.4	395.3	395.3	403.4	403.4	399.4	387.1	379.0	358.6
62.5°	313.8	313.8	313.8	313.8	313.8	317.9	317.9	317.9	309.7	301.6	285.3
65°	248.6	252.7	248.6	248.6	252.7	256.7	252.7	256.7	248.6	244.5	232.3
67.5°	191.5	195.6	191.5	195.6	195.6	199.7	195.6	199.7	191.5	187.5	179.3
70°	146.7	146.7	146.7	146.7	146.7	150.8	146.7	150.8	146.7	142.6	134.5
72.5°	110.0	110.0	114.1	114.1	110.0	114.1	110.0	110.0	110.0	106.0	101.9
75°	81.5	81.5	85.6	81.5	81.5	81.5	81.5	81.5	77.4	77.4	73.4
77.5°	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	53.0	53.0	48.9
80°	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	32.6	32.6
82.5°	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	20.4	20.4
85°	12.2	12.2	12.2	16.3	12.2	12.2	12.2	12.2	12.2	12.2	12.2
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: P212850

CATALOG NUMBER: LD6B60D010TE EU6B60708035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5
2.5°	3447.6	3459.8	3459.8	3447.6	3476.1	3451.6	3500.5	3455.7	3467.9	3508.7	3504.6
5°	3435.3	3451.6	3455.7	3447.6	3484.2	3463.9	3512.8	3467.9	3488.3	3529.1	3529.1
7.5°	3419.0	3439.4	3447.6	3455.7	3488.3	3467.9	3525.0	3480.2	3508.7	3557.6	3553.5
10°	3382.4	3410.9	3427.2	3439.4	3472.0	3459.8	3520.9	3484.2	3508.7	3565.7	3561.7
12.5°	3362.0	3394.6	3419.0	3439.4	3476.1	3467.9	3529.1	3496.5	3529.1	3586.1	3586.1
15°	3345.7	3382.4	3410.9	3447.6	3484.2	3476.1	3541.3	3512.8	3545.4	3614.6	3610.6
17.5°	3304.9	3349.8	3378.3	3419.0	3455.7	3451.6	3520.9	3500.5	3537.2	3602.4	3606.5
20°	3235.7	3276.4	3309.0	3357.9	3398.7	3390.5	3463.9	3443.5	3480.2	3549.4	3553.5
22.5°	3146.0	3186.8	3219.4	3272.3	3309.0	3304.9	3378.3	3357.9	3394.6	3459.8	3463.9
25°	3040.0	3076.7	3109.3	3158.2	3199.0	3199.0	3264.2	3243.8	3284.6	3349.8	3349.8
27.5°	2909.6	2942.2	2970.8	3027.8	3060.4	3060.4	3121.5	3101.2	3141.9	3199.0	3194.9
30°	2750.7	2779.2	2803.7	2852.6	2881.1	2885.2	2938.2	2917.8	2958.5	3007.4	3007.4
32.5°	2559.2	2587.7	2604.0	2665.1	2685.5	2681.4	2722.2	2701.8	2742.6	2795.5	2783.3
35°	2355.4	2367.6	2379.9	2441.0	2449.2	2432.9	2473.6	2453.2	2481.8	2534.7	2526.6
37.5°	2123.1	2127.2	2127.2	2180.2	2184.3	2172.0	2196.5	2172.0	2192.4	2241.3	2237.2
40°	1866.4	1862.3	1858.3	1899.0	1894.9	1870.5	1886.8	1866.4	1894.9	1931.6	1911.2
42.5°	1605.6	1593.4	1577.1	1597.5	1581.1	1560.8	1568.9	1536.3	1556.7	1585.2	1560.8
45°	1348.9	1324.4	1291.8	1295.9	1275.5	1251.1	1238.8	1206.2	1202.2	1230.7	1210.3
47.5°	1108.4	1059.5	1031.0	1014.7	982.1	961.7	937.3	900.6	884.3	900.6	880.2
50°	892.5	843.6	806.9	770.2	737.6	713.1	672.4	647.9	623.5	627.6	611.3
52.5°	705.0	672.4	611.3	582.7	550.1	521.6	484.9	456.4	427.9	427.9	411.6
55°	558.3	513.5	472.7	432.0	399.4	374.9	338.2	309.7	281.2	277.1	260.8
57.5°	432.0	399.4	354.5	313.8	293.4	269.0	232.3	199.7	183.4	171.2	158.9
60°	334.2	301.6	264.9	232.3	207.8	191.5	154.9	130.4	114.1	106.0	93.7
62.5°	269.0	240.4	207.8	175.2	158.9	142.6	114.1	93.7	77.4	69.3	61.1
65°	216.0	191.5	167.1	142.6	130.4	114.1	93.7	77.4	65.2	57.1	48.9
67.5°	167.1	150.8	130.4	114.1	101.9	89.7	73.4	61.1	53.0	44.8	40.8
70°	126.3	114.1	101.9	85.6	77.4	69.3	57.1	44.8	40.8	36.7	32.6
72.5°	97.8	85.6	73.4	65.2	57.1	53.0	44.8	36.7	32.6	28.5	24.5
75°	65.2	61.1	53.0	44.8	40.8	36.7	32.6	28.5	24.5	20.4	20.4
77.5°	44.8	40.8	36.7	32.6	28.5	28.5	24.5	20.4	16.3	16.3	12.2
80°	28.5	24.5	24.5	20.4	20.4	20.4	16.3	12.2	12.2	12.2	8.2
82.5°	20.4	16.3	16.3	12.2	12.2	12.2	12.2	8.2	8.2	8.2	4.1
85°	12.2	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: P212850

CATALOG NUMBER: LD6B60D010TE EU6B60708035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5
2.5°	3472.0	3508.7	3508.7	3541.3	3545.4	3537.2	3500.5	3500.5	3549.4	3578.0	3529.1
5°	3504.6	3541.3	3541.3	3573.9	3590.2	3578.0	3541.3	3545.4	3594.3	3626.9	3578.0
7.5°	3533.1	3569.8	3578.0	3614.6	3626.9	3614.6	3578.0	3586.1	3639.1	3667.6	3618.7
10°	3545.4	3582.0	3586.1	3626.9	3643.2	3626.9	3598.3	3602.4	3659.5	3679.8	3635.0
12.5°	3573.9	3610.6	3610.6	3655.4	3671.7	3659.5	3622.8	3630.9	3688.0	3708.4	3663.5
15°	3602.4	3639.1	3639.1	3688.0	3708.4	3692.1	3663.5	3667.6	3724.7	3745.0	3708.4
17.5°	3602.4	3635.0	3635.0	3688.0	3708.4	3696.1	3663.5	3667.6	3728.7	3745.0	3708.4
20°	3549.4	3586.1	3578.0	3630.9	3651.3	3639.1	3610.6	3610.6	3671.7	3688.0	3651.3
22.5°	3463.9	3496.5	3488.3	3537.2	3561.7	3545.4	3520.9	3516.8	3578.0	3594.3	3557.6
25°	3345.7	3378.3	3370.1	3419.0	3443.5	3423.1	3394.6	3398.7	3447.6	3472.0	3439.4
27.5°	3207.1	3227.5	3215.3	3264.2	3288.6	3268.3	3239.7	3243.8	3292.7	3309.0	3284.6
30°	3019.7	3036.0	3023.7	3064.5	3080.8	3068.6	3044.1	3044.1	3088.9	3109.3	3084.9
32.5°	2795.5	2807.8	2795.5	2828.1	2860.7	2836.3	2811.8	2811.8	2860.7	2877.0	2848.5
35°	2534.7	2547.0	2538.8	2571.4	2595.9	2563.3	2542.9	2534.7	2599.9	2591.8	2575.5
37.5°	2245.4	2253.5	2229.1	2286.1	2298.4	2261.7	2245.4	2237.2	2294.3	2290.2	2273.9
40°	1919.4	1927.5	1911.2	1952.0	1956.1	1927.5	1915.3	1903.1	1960.1	1956.1	1943.8
42.5°	1573.0	1577.1	1556.7	1589.3	1597.5	1568.9	1564.8	1548.5	1601.5	1593.4	1589.3
45°	1214.4	1214.4	1198.1	1222.5	1230.7	1206.2	1198.1	1194.0	1230.7	1230.7	1222.5
47.5°	880.2	868.0	847.6	884.3	888.4	872.1	868.0	855.8	892.5	892.5	884.3
50°	603.1	599.0	595.0	603.1	607.2	586.8	599.0	586.8	607.2	607.2	607.2
52.5°	403.4	399.4	391.2	399.4	399.4	387.1	387.1	383.1	399.4	399.4	391.2
55°	252.7	248.6	244.5	248.6	248.6	236.4	244.5	236.4	244.5	244.5	240.4
57.5°	154.9	146.7	146.7	142.6	142.6	134.5	138.6	138.6	138.6	138.6	138.6
60°	89.7	85.6	81.5	81.5	81.5	77.4	77.4	77.4	77.4	77.4	77.4
62.5°	57.1	57.1	53.0	53.0	53.0	53.0	53.0	48.9	53.0	53.0	53.0
65°	48.9	44.8	44.8	44.8	44.8	40.8	40.8	40.8	40.8	40.8	40.8
67.5°	40.8	36.7	36.7	36.7	36.7	32.6	32.6	32.6	32.6	32.6	32.6
70°	32.6	28.5	28.5	28.5	28.5	28.5	24.5	28.5	28.5	24.5	24.5
72.5°	24.5	24.5	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
75°	16.3	16.3	16.3	16.3	16.3	12.2	12.2	12.2	12.2	12.2	12.2
77.5°	12.2	12.2	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: P212850

CATALOG NUMBER: LD6B60D010TE EU6B60708035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5
2.5°	3586.1	3545.4	3525.0	3565.7	3582.0	3561.7	3545.4	3516.8	3545.4	3561.7	3582.0
5°	3635.0	3598.3	3582.0	3610.6	3635.0	3614.6	3602.4	3573.9	3602.4	3614.6	3635.0
7.5°	3679.8	3643.2	3622.8	3651.3	3679.8	3651.3	3639.1	3614.6	3639.1	3651.3	3679.8
10°	3696.1	3655.4	3639.1	3663.5	3692.1	3663.5	3647.2	3630.9	3647.2	3663.5	3692.1
12.5°	3724.7	3683.9	3663.5	3683.9	3712.4	3683.9	3667.6	3655.4	3667.6	3683.9	3712.4
15°	3765.4	3728.7	3704.3	3724.7	3761.3	3728.7	3708.4	3704.3	3708.4	3728.7	3761.3
17.5°	3765.4	3736.9	3712.4	3728.7	3765.4	3741.0	3712.4	3720.6	3712.4	3741.0	3765.4
20°	3712.4	3683.9	3663.5	3663.5	3716.5	3683.9	3659.5	3671.7	3659.5	3683.9	3716.5
22.5°	3618.7	3594.3	3573.9	3569.8	3622.8	3594.3	3561.7	3586.1	3561.7	3594.3	3622.8
25°	3496.5	3472.0	3455.7	3447.6	3500.5	3467.9	3439.4	3463.9	3439.4	3467.9	3500.5
27.5°	3337.5	3317.2	3300.9	3288.6	3337.5	3309.0	3280.5	3304.9	3280.5	3309.0	3337.5
30°	3133.8	3121.5	3105.2	3088.9	3137.8	3109.3	3080.8	3113.4	3080.8	3109.3	3137.8
32.5°	2897.4	2889.3	2868.9	2852.6	2901.5	2868.9	2848.5	2873.0	2848.5	2868.9	2901.5
35°	2624.4	2612.2	2599.9	2571.4	2624.4	2595.9	2595.9	2604.0	2595.9	2595.9	2624.4
37.5°	2318.7	2310.6	2294.3	2269.8	2314.7	2294.3	2286.1	2310.6	2286.1	2294.3	2314.7
40°	1976.4	1972.4	1960.1	1931.6	1980.5	1960.1	1947.9	1980.5	1947.9	1960.1	1980.5
42.5°	1617.8	1609.7	1597.5	1593.4	1617.8	1601.5	1613.8	1613.8	1613.8	1601.5	1617.8
45°	1247.0	1238.8	1230.7	1214.4	1242.9	1234.8	1230.7	1238.8	1230.7	1234.8	1242.9
47.5°	904.7	896.5	888.4	876.2	904.7	892.5	892.5	900.6	892.5	892.5	904.7
50°	607.2	611.3	607.2	599.0	607.2	603.1	607.2	615.3	607.2	603.1	607.2
52.5°	403.4	403.4	395.3	391.2	399.4	395.3	407.5	399.4	407.5	395.3	399.4
55°	244.5	248.6	244.5	240.4	244.5	240.4	252.7	248.6	252.7	240.4	244.5
57.5°	138.6	138.6	142.6	138.6	146.7	142.6	142.6	142.6	142.6	142.6	146.7
60°	77.4	77.4	77.4	77.4	77.4	77.4	81.5	77.4	81.5	77.4	77.4
62.5°	53.0	53.0	53.0	48.9	53.0	48.9	53.0	53.0	53.0	48.9	53.0
65°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
67.5°	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
70°	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
72.5°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
75°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
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: P212850

CATALOG NUMBER: LD6B60D010TE EU6B60708035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5
2.5°	3565.7	3525.0	3545.4	3586.1	3529.1	3578.0	3549.4	3500.5	3500.5	3537.2	3545.4
5°	3610.6	3582.0	3598.3	3635.0	3578.0	3626.9	3594.3	3545.4	3541.3	3578.0	3590.2
7.5°	3651.3	3622.8	3643.2	3679.8	3618.7	3667.6	3639.1	3586.1	3578.0	3614.6	3626.9
10°	3663.5	3639.1	3655.4	3696.1	3635.0	3679.8	3659.5	3602.4	3598.3	3626.9	3643.2
12.5°	3683.9	3663.5	3683.9	3724.7	3663.5	3708.4	3688.0	3630.9	3622.8	3659.5	3671.7
15°	3724.7	3704.3	3728.7	3765.4	3708.4	3745.0	3724.7	3667.6	3663.5	3692.1	3708.4
17.5°	3728.7	3712.4	3736.9	3765.4	3708.4	3745.0	3728.7	3667.6	3663.5	3696.1	3708.4
20°	3663.5	3663.5	3683.9	3712.4	3651.3	3688.0	3671.7	3610.6	3610.6	3639.1	3651.3
22.5°	3569.8	3573.9	3594.3	3618.7	3557.6	3594.3	3578.0	3516.8	3520.9	3545.4	3561.7
25°	3447.6	3455.7	3472.0	3496.5	3439.4	3472.0	3447.6	3398.7	3394.6	3423.1	3443.5
27.5°	3288.6	3300.9	3317.2	3337.5	3284.6	3309.0	3292.7	3243.8	3239.7	3268.3	3288.6
30°	3088.9	3105.2	3121.5	3133.8	3084.9	3109.3	3088.9	3044.1	3044.1	3068.6	3080.8
32.5°	2852.6	2868.9	2889.3	2897.4	2848.5	2877.0	2860.7	2811.8	2811.8	2836.3	2860.7
35°	2571.4	2599.9	2612.2	2624.4	2575.5	2591.8	2599.9	2534.7	2542.9	2563.3	2595.9
37.5°	2269.8	2294.3	2310.6	2318.7	2273.9	2290.2	2294.3	2237.2	2245.4	2261.7	2298.4
40°	1931.6	1960.1	1972.4	1976.4	1943.8	1956.1	1960.1	1903.1	1915.3	1927.5	1956.1
42.5°	1593.4	1597.5	1609.7	1617.8	1589.3	1593.4	1601.5	1548.5	1564.8	1568.9	1597.5
45°	1214.4	1230.7	1238.8	1247.0	1222.5	1230.7	1230.7	1194.0	1198.1	1206.2	1230.7
47.5°	876.2	888.4	896.5	904.7	884.3	892.5	892.5	855.8	868.0	872.1	888.4
50°	599.0	607.2	611.3	607.2	607.2	607.2	607.2	586.8	599.0	586.8	607.2
52.5°	391.2	395.3	403.4	403.4	391.2	399.4	399.4	383.1	387.1	387.1	399.4
55°	240.4	244.5	248.6	244.5	240.4	244.5	244.5	236.4	244.5	236.4	248.6
57.5°	138.6	142.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	134.5	142.6
60°	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	81.5
62.5°	48.9	53.0	53.0	53.0	53.0	53.0	53.0	48.9	53.0	53.0	53.0
65°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	44.8
67.5°	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	36.7
70°	24.5	24.5	24.5	24.5	24.5	24.5	28.5	28.5	24.5	28.5	28.5
72.5°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
75°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	16.3
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	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: P212850

CATALOG NUMBER: LD6B60D010TE EU6B60708035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5
2.5°	3541.3	3508.7	3508.7	3472.0	3504.6	3508.7	3467.9	3455.7	3500.5	3451.6	3476.1
5°	3573.9	3541.3	3541.3	3504.6	3529.1	3529.1	3488.3	3467.9	3512.8	3463.9	3484.2
7.5°	3614.6	3578.0	3569.8	3533.1	3553.5	3557.6	3508.7	3480.2	3525.0	3467.9	3488.3
10°	3626.9	3586.1	3582.0	3545.4	3561.7	3565.7	3508.7	3484.2	3520.9	3459.8	3472.0
12.5°	3655.4	3610.6	3610.6	3573.9	3586.1	3586.1	3529.1	3496.5	3529.1	3467.9	3476.1
15°	3688.0	3639.1	3639.1	3602.4	3610.6	3614.6	3545.4	3512.8	3541.3	3476.1	3484.2
17.5°	3688.0	3635.0	3635.0	3602.4	3606.5	3602.4	3537.2	3500.5	3520.9	3451.6	3455.7
20°	3630.9	3578.0	3586.1	3549.4	3553.5	3549.4	3480.2	3443.5	3463.9	3390.5	3398.7
22.5°	3537.2	3488.3	3496.5	3463.9	3463.9	3459.8	3394.6	3357.9	3378.3	3304.9	3309.0
25°	3419.0	3370.1	3378.3	3345.7	3349.8	3349.8	3284.6	3243.8	3264.2	3199.0	3199.0
27.5°	3264.2	3215.3	3227.5	3207.1	3194.9	3199.0	3141.9	3101.2	3121.5	3060.4	3060.4
30°	3064.5	3023.7	3036.0	3019.7	3007.4	3007.4	2958.5	2917.8	2938.2	2885.2	2881.1
32.5°	2828.1	2795.5	2807.8	2795.5	2783.3	2795.5	2742.6	2701.8	2722.2	2681.4	2685.5
35°	2571.4	2538.8	2547.0	2534.7	2526.6	2534.7	2481.8	2453.2	2473.6	2432.9	2449.2
37.5°	2286.1	2229.1	2253.5	2245.4	2237.2	2241.3	2192.4	2172.0	2196.5	2172.0	2184.3
40°	1952.0	1911.2	1927.5	1919.4	1911.2	1931.6	1894.9	1866.4	1886.8	1870.5	1894.9
42.5°	1589.3	1556.7	1577.1	1573.0	1560.8	1585.2	1556.7	1536.3	1568.9	1560.8	1581.1
45°	1222.5	1198.1	1214.4	1214.4	1210.3	1230.7	1202.2	1206.2	1238.8	1251.1	1275.5
47.5°	884.3	847.6	868.0	880.2	880.2	900.6	884.3	900.6	937.3	961.7	982.1
50°	603.1	595.0	599.0	603.1	611.3	627.6	623.5	647.9	672.4	713.1	737.6
52.5°	399.4	391.2	399.4	403.4	411.6	427.9	427.9	456.4	484.9	521.6	550.1
55°	248.6	244.5	248.6	252.7	260.8	277.1	281.2	309.7	338.2	374.9	399.4
57.5°	142.6	146.7	146.7	154.9	158.9	171.2	183.4	199.7	232.3	269.0	293.4
60°	81.5	81.5	85.6	89.7	93.7	106.0	114.1	130.4	154.9	191.5	207.8
62.5°	53.0	53.0	57.1	57.1	61.1	69.3	77.4	93.7	114.1	142.6	158.9
65°	44.8	44.8	44.8	48.9	48.9	57.1	65.2	77.4	93.7	114.1	130.4
67.5°	36.7	36.7	36.7	40.8	40.8	44.8	53.0	61.1	73.4	89.7	101.9
70°	28.5	28.5	28.5	32.6	32.6	36.7	40.8	44.8	57.1	69.3	77.4
72.5°	20.4	20.4	24.5	24.5	24.5	28.5	32.6	36.7	44.8	53.0	57.1
75°	16.3	16.3	16.3	16.3	20.4	20.4	24.5	28.5	32.6	36.7	40.8
77.5°	8.2	8.2	12.2	12.2	12.2	16.3	16.3	20.4	24.5	28.5	28.5
80°	8.2	8.2	8.2	8.2	8.2	12.2	12.2	12.2	16.3	20.4	20.4
82.5°	4.1	4.1	4.1	4.1	4.1	8.2	8.2	8.2	12.2	12.2	12.2
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: P212850

CATALOG NUMBER: LD6B60D010TE EU6B60708035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5	3500.5
2.5°	3447.6	3459.8	3459.8	3447.6	3415.0	3443.5	3472.0	3443.5	3480.2	3415.0	3415.0
5°	3447.6	3455.7	3451.6	3435.3	3402.7	3427.2	3447.6	3419.0	3447.6	3386.4	3382.4
7.5°	3455.7	3447.6	3439.4	3419.0	3378.3	3394.6	3415.0	3382.4	3410.9	3345.7	3337.5
10°	3439.4	3427.2	3410.9	3382.4	3337.5	3349.8	3362.0	3333.5	3353.8	3288.6	3284.6
12.5°	3439.4	3419.0	3394.6	3362.0	3313.1	3321.2	3333.5	3296.8	3313.1	3252.0	3243.8
15°	3447.6	3410.9	3382.4	3345.7	3292.7	3296.8	3304.9	3264.2	3280.5	3215.3	3211.2
17.5°	3419.0	3378.3	3349.8	3304.9	3247.9	3252.0	3252.0	3211.2	3223.4	3158.2	3154.1
20°	3357.9	3309.0	3276.4	3235.7	3174.5	3174.5	3174.5	3133.8	3141.9	3084.9	3076.7
22.5°	3272.3	3219.4	3186.8	3146.0	3088.9	3084.9	3080.8	3048.2	3048.2	2995.2	2983.0
25°	3158.2	3109.3	3076.7	3040.0	2983.0	2974.8	2974.8	2946.3	2942.2	2893.3	2885.2
27.5°	3027.8	2970.8	2942.2	2909.6	2856.7	2848.5	2844.4	2828.1	2820.0	2767.0	2762.9
30°	2852.6	2803.7	2779.2	2750.7	2701.8	2693.7	2689.6	2673.3	2669.2	2616.2	2616.2
32.5°	2665.1	2604.0	2587.7	2559.2	2522.5	2518.4	2522.5	2502.1	2485.8	2449.2	2441.0
35°	2441.0	2379.9	2367.6	2355.4	2326.9	2318.7	2314.7	2310.6	2290.2	2265.8	2253.5
37.5°	2180.2	2127.2	2127.2	2123.1	2102.8	2102.8	2102.8	2094.6	2074.2	2066.1	2041.6
40°	1899.0	1858.3	1862.3	1866.4	1858.3	1862.3	1866.4	1858.3	1842.0	1833.8	1813.4
42.5°	1597.5	1577.1	1593.4	1605.6	1605.6	1617.8	1626.0	1626.0	1605.6	1601.5	1585.2
45°	1295.9	1291.8	1324.4	1348.9	1357.0	1377.4	1389.6	1381.5	1381.5	1381.5	1365.2
47.5°	1014.7	1031.0	1059.5	1108.4	1124.7	1149.2	1157.3	1169.6	1165.5	1169.6	1157.3
50°	770.2	806.9	843.6	892.5	916.9	945.4	957.7	974.0	974.0	978.0	969.9
52.5°	582.7	611.3	672.4	705.0	733.5	762.0	778.3	794.6	798.7	798.7	790.6
55°	432.0	472.7	513.5	558.3	582.7	611.3	623.5	639.8	639.8	647.9	639.8
57.5°	313.8	354.5	399.4	432.0	460.5	480.9	493.1	505.3	513.5	513.5	509.4
60°	232.3	264.9	301.6	334.2	358.6	379.0	387.1	399.4	403.4	403.4	395.3
62.5°	175.2	207.8	240.4	269.0	285.3	301.6	309.7	317.9	317.9	317.9	313.8
65°	142.6	167.1	191.5	216.0	232.3	244.5	248.6	256.7	252.7	256.7	252.7
67.5°	114.1	130.4	150.8	167.1	179.3	187.5	191.5	199.7	195.6	199.7	195.6
70°	85.6	101.9	114.1	126.3	134.5	142.6	146.7	150.8	146.7	150.8	146.7
72.5°	65.2	73.4	85.6	97.8	101.9	106.0	110.0	110.0	110.0	114.1	110.0
75°	44.8	53.0	61.1	65.2	73.4	77.4	77.4	81.5	81.5	81.5	81.5
77.5°	32.6	36.7	40.8	44.8	48.9	53.0	53.0	57.1	57.1	57.1	57.1
80°	20.4	24.5	24.5	28.5	32.6	32.6	36.7	36.7	36.7	36.7	36.7
82.5°	12.2	16.3	16.3	20.4	20.4	20.4	24.5	24.5	24.5	24.5	24.5
85°	8.2	8.2	8.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
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: P212850

CATALOG NUMBER: LD6B60D010TE EU6B60708035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3500.5	3500.5	3500.5	3500.5
2.5°	3447.6	3427.2	3459.8	3410.9
5°	3410.9	3390.5	3431.3	3370.1
7.5°	3366.1	3345.7	3382.4	3321.2
10°	3309.0	3288.6	3321.2	3256.0
12.5°	3260.1	3239.7	3276.4	3215.3
15°	3223.4	3203.1	3235.7	3178.6
17.5°	3166.4	3141.9	3178.6	3117.5
20°	3084.9	3068.6	3097.1	3036.0
22.5°	2991.1	2974.8	3007.4	2946.3
25°	2893.3	2873.0	2905.6	2844.4
27.5°	2767.0	2750.7	2783.3	2722.2
30°	2616.2	2599.9	2632.5	2575.5
32.5°	2445.1	2428.8	2453.2	2404.3
35°	2249.5	2237.2	2261.7	2208.7
37.5°	2037.6	2025.3	2049.8	1996.8
40°	1809.4	1797.1	1817.5	1793.1
42.5°	1585.2	1573.0	1593.4	1573.0
45°	1365.2	1357.0	1377.4	1357.0
47.5°	1161.4	1153.3	1173.6	1153.3
50°	965.8	969.9	978.0	969.9
52.5°	790.6	790.6	802.8	790.6
55°	639.8	643.9	647.9	639.8
57.5°	509.4	509.4	513.5	509.4
60°	395.3	399.4	399.4	395.3
62.5°	313.8	313.8	313.8	313.8
65°	248.6	248.6	252.7	248.6
67.5°	195.6	191.5	195.6	191.5
70°	146.7	146.7	146.7	146.7
72.5°	114.1	114.1	110.0	110.0
75°	81.5	85.6	81.5	81.5
77.5°	57.1	57.1	57.1	57.1
80°	36.7	36.7	36.7	36.7
82.5°	24.5	24.5	24.5	24.5
85°	16.3	12.2	12.2	12.2
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)