

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: P212848

Luminaire Tested: **LD6B60D010TE EU6B60708027 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212848
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 EU6B60708027 6LBSWL11
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5458.6 lumens
Efficiency: N/A
Efficacy: 87.4 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

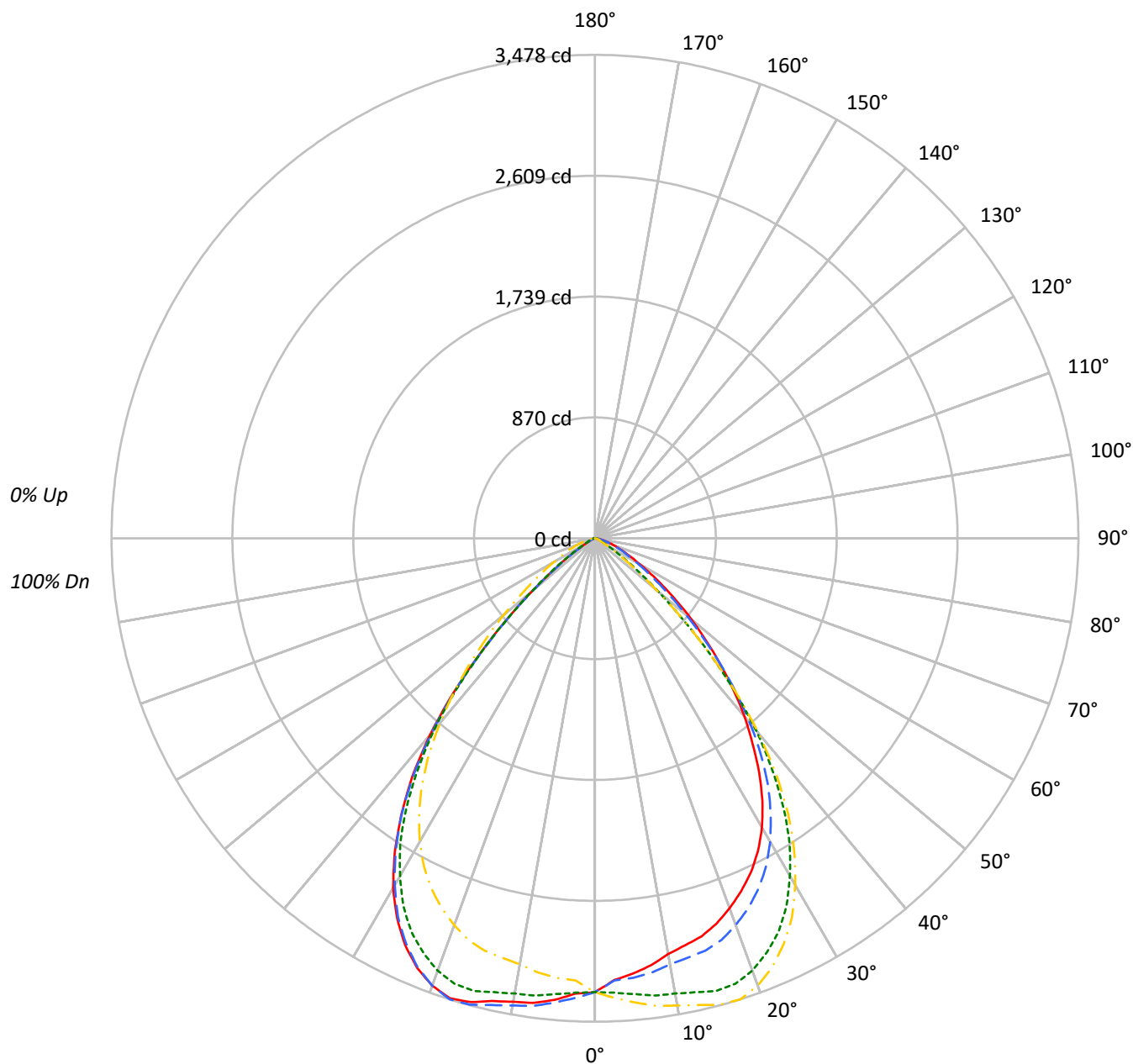
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	178982	178982	178982	178982
5°	172974	181130	183430	181130
10°	169046	185128	188512	185128
15°	168253	191335	196079	191335
20°	165191	193129	199780	193129
25°	160473	188981	195417	188981
30°	152055	177559	183813	177559
35°	137862	158213	162536	158213
40°	119681	128927	132191	128927
45°	98126	88986	89575	88986
50°	77149	49917	48945	49917
55°	57030	24706	22155	24706
60°	40424	10832	7916	10832
65°	30068	6901	4929	6901
70°	21927	5482	3654	5482
75°	16097	4024	2415	4024
80°	10797	3599	1200	3599
85°	7170	2390	2390	2390



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.6	5.7
10°-20°	925.7	17.0
20°-30°	1381.4	25.3
30°-40°	1419.3	26.0
40°-50°	919.1	16.8
50°-60°	341.8	6.3
60°-70°	112.1	2.1
70°-80°	39.6	0.7
80°-90°	7.1	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°	2619.7	48.0
0°-40°	4039.0	74.0
0°-60°	5299.8	97.1
0°-90°	5458.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5458.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3265	3265	3265	3265	3265	
5°	3143	3292	3333	3292	3143	297
15°	2965	3371	3455	3371	2965	834
25°	2653	3124	3231	3124	2653	1216
35°	2060	2364	2429	2364	2060	1279
45°	1266	1148	1155	1148	1266	979
55°	597	258	232	258	597	544
65°	232	53	38	53	232	236
75°	76	19	11	19	76	84
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°	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9
2.5°	3181.3	3226.9	3196.5	3215.5	3185.1	3185.1	3245.9	3211.7	3238.3	3211.7	3185.1
5°	3143.3	3200.3	3162.3	3181.3	3154.7	3158.5	3215.5	3188.9	3215.5	3196.5	3173.7
7.5°	3097.7	3154.7	3120.5	3139.5	3112.9	3120.5	3181.3	3154.7	3185.1	3166.1	3150.9
10°	3036.8	3097.7	3067.2	3086.2	3063.4	3067.2	3128.1	3109.1	3135.7	3124.3	3112.9
12.5°	2998.8	3055.8	3021.6	3040.6	3025.4	3033.0	3090.0	3074.8	3109.1	3097.7	3090.0
15°	2964.6	3017.8	2987.4	3006.4	2995.0	2998.8	3059.6	3044.4	3082.4	3074.8	3071.0
17.5°	2907.6	2964.6	2930.4	2953.2	2941.8	2945.6	3006.4	2995.0	3033.0	3033.0	3029.2
20°	2831.6	2888.6	2862.0	2877.2	2869.6	2877.2	2930.4	2922.8	2960.8	2960.8	2960.8
22.5°	2748.0	2805.0	2774.6	2789.8	2782.2	2793.6	2843.0	2843.0	2873.4	2877.2	2881.0
25°	2653.0	2710.0	2679.6	2698.6	2691.0	2698.6	2744.2	2748.0	2774.6	2774.6	2782.2
27.5°	2538.9	2595.9	2565.5	2580.7	2576.9	2580.7	2630.2	2637.8	2653.0	2656.8	2664.4
30°	2402.1	2455.3	2424.9	2440.1	2440.1	2440.1	2489.5	2493.3	2508.5	2512.3	2519.9
32.5°	2242.5	2288.1	2265.3	2280.5	2276.7	2284.3	2318.5	2333.7	2352.7	2348.9	2352.7
35°	2060.0	2109.4	2086.6	2098.0	2101.8	2113.2	2136.0	2155.1	2158.9	2162.7	2170.3
37.5°	1862.4	1911.8	1889.0	1900.4	1904.2	1927.0	1934.6	1953.6	1961.2	1961.2	1961.2
40°	1672.4	1695.2	1676.2	1687.6	1691.4	1710.4	1718.0	1733.2	1740.8	1737.0	1733.2
42.5°	1467.1	1486.1	1467.1	1478.5	1478.5	1493.7	1497.5	1516.5	1516.5	1508.9	1497.5
45°	1265.7	1284.7	1265.7	1273.3	1273.3	1288.5	1288.5	1288.5	1296.1	1284.7	1265.7
47.5°	1075.6	1094.6	1075.6	1083.2	1079.4	1090.8	1087.0	1090.8	1079.4	1071.8	1049.0
50°	904.6	912.2	904.6	900.8	904.6	912.2	908.4	908.4	893.2	881.8	855.2
52.5°	737.4	748.8	737.4	737.4	737.4	745.0	745.0	741.2	726.0	710.7	684.1
55°	596.7	604.3	600.5	596.7	596.7	604.3	596.7	596.7	581.5	570.1	543.5
57.5°	475.1	478.9	475.1	475.1	475.1	478.9	478.9	471.3	459.9	448.5	429.5
60°	368.7	372.5	372.5	368.7	368.7	376.3	376.3	372.5	361.1	353.5	334.5
62.5°	292.7	292.7	292.7	292.7	292.7	296.5	296.5	296.5	288.9	281.3	266.1
65°	231.8	235.6	231.8	231.8	235.6	239.5	235.6	239.5	231.8	228.0	216.6
67.5°	178.6	182.4	178.6	182.4	182.4	186.2	182.4	186.2	178.6	174.8	167.2
70°	136.8	136.8	136.8	136.8	136.8	140.6	136.8	140.6	136.8	133.0	125.4
72.5°	102.6	102.6	106.4	106.4	102.6	106.4	102.6	102.6	102.6	98.8	95.0
75°	76.0	76.0	79.8	76.0	76.0	76.0	76.0	76.0	72.2	72.2	68.4
77.5°	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	49.4	49.4	45.6
80°	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	30.4	30.4
82.5°	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	19.0	19.0
85°	11.4	11.4	11.4	15.2	11.4	11.4	11.4	11.4	11.4	11.4	11.4
87.5°	3.8	3.8	3.8	7.6	3.8	3.8	7.6	7.6	3.8	3.8	3.8
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°	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9
2.5°	3215.5	3226.9	3226.9	3215.5	3242.1	3219.3	3264.9	3223.1	3234.5	3272.5	3268.7
5°	3204.1	3219.3	3223.1	3215.5	3249.7	3230.7	3276.3	3234.5	3253.5	3291.5	3291.5
7.5°	3188.9	3207.9	3215.5	3223.1	3253.5	3234.5	3287.7	3245.9	3272.5	3318.1	3314.3
10°	3154.7	3181.3	3196.5	3207.9	3238.3	3226.9	3283.9	3249.7	3272.5	3325.7	3321.9
12.5°	3135.7	3166.1	3188.9	3207.9	3242.1	3234.5	3291.5	3261.1	3291.5	3344.7	3344.7
15°	3120.5	3154.7	3181.3	3215.5	3249.7	3242.1	3302.9	3276.3	3306.7	3371.3	3367.5
17.5°	3082.4	3124.3	3150.9	3188.9	3223.1	3219.3	3283.9	3264.9	3299.1	3359.9	3363.7
20°	3017.8	3055.8	3086.2	3131.9	3169.9	3162.3	3230.7	3211.7	3245.9	3310.5	3314.3
22.5°	2934.2	2972.2	3002.6	3052.0	3086.2	3082.4	3150.9	3131.9	3166.1	3226.9	3230.7
25°	2835.4	2869.6	2900.0	2945.6	2983.6	2983.6	3044.4	3025.4	3063.4	3124.3	3124.3
27.5°	2713.8	2744.2	2770.8	2824.0	2854.4	2854.4	2911.4	2892.4	2930.4	2983.6	2979.8
30°	2565.5	2592.1	2614.9	2660.6	2687.2	2691.0	2740.4	2721.4	2759.4	2805.0	2805.0
32.5°	2386.9	2413.5	2428.7	2485.7	2504.7	2500.9	2538.9	2519.9	2557.9	2607.3	2595.9
35°	2196.9	2208.3	2219.7	2276.7	2284.3	2269.1	2307.1	2288.1	2314.7	2364.1	2356.5
37.5°	1980.2	1984.0	1984.0	2033.4	2037.2	2025.8	2048.6	2025.8	2044.8	2090.4	2086.6
40°	1740.8	1737.0	1733.2	1771.2	1767.4	1744.6	1759.8	1740.8	1767.4	1801.6	1782.6
42.5°	1497.5	1486.1	1470.9	1489.9	1474.7	1455.7	1463.3	1432.9	1451.9	1478.5	1455.7
45°	1258.1	1235.3	1204.9	1208.7	1189.6	1166.8	1155.4	1125.0	1121.2	1147.8	1128.8
47.5°	1033.8	988.2	961.6	946.4	916.0	897.0	874.2	840.0	824.8	840.0	821.0
50°	832.4	786.8	752.6	718.4	687.9	665.1	627.1	604.3	581.5	585.3	570.1
52.5°	657.5	627.1	570.1	543.5	513.1	486.5	452.3	425.7	399.1	399.1	383.9
55°	520.7	478.9	440.9	402.9	372.5	349.7	315.5	288.9	262.3	258.5	243.3
57.5°	402.9	372.5	330.7	292.7	273.7	250.9	216.6	186.2	171.0	159.6	148.2
60°	311.7	281.3	247.1	216.6	193.8	178.6	144.4	121.6	106.4	98.8	87.4
62.5°	250.9	224.2	193.8	163.4	148.2	133.0	106.4	87.4	72.2	64.6	57.0
65°	201.4	178.6	155.8	133.0	121.6	106.4	87.4	72.2	60.8	53.2	45.6
67.5°	155.8	140.6	121.6	106.4	95.0	83.6	68.4	57.0	49.4	41.8	38.0
70°	117.8	106.4	95.0	79.8	72.2	64.6	53.2	41.8	38.0	34.2	30.4
72.5°	91.2	79.8	68.4	60.8	53.2	49.4	41.8	34.2	30.4	26.6	22.8
75°	60.8	57.0	49.4	41.8	38.0	34.2	30.4	26.6	22.8	19.0	19.0
77.5°	41.8	38.0	34.2	30.4	26.6	26.6	22.8	19.0	15.2	15.2	11.4
80°	26.6	22.8	22.8	19.0	19.0	19.0	15.2	11.4	11.4	11.4	7.6
82.5°	19.0	15.2	15.2	11.4	11.4	11.4	11.4	7.6	7.6	7.6	3.8
85°	11.4	7.6	7.6	7.6	7.6	7.6	7.6	3.8	3.8	3.8	3.8
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	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°	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9
2.5°	3238.3	3272.5	3272.5	3302.9	3306.7	3299.1	3264.9	3264.9	3310.5	3337.1	3291.5
5°	3268.7	3302.9	3302.9	3333.3	3348.5	3337.1	3302.9	3306.7	3352.3	3382.7	3337.1
7.5°	3295.3	3329.5	3337.1	3371.3	3382.7	3371.3	3337.1	3344.7	3394.1	3420.7	3375.1
10°	3306.7	3340.9	3344.7	3382.7	3397.9	3382.7	3356.1	3359.9	3413.1	3432.1	3390.3
12.5°	3333.3	3367.5	3367.5	3409.3	3424.5	3413.1	3378.9	3386.5	3439.7	3458.7	3416.9
15°	3359.9	3394.1	3394.1	3439.7	3458.7	3443.5	3416.9	3420.7	3473.9	3492.9	3458.7
17.5°	3359.9	3390.3	3390.3	3439.7	3458.7	3447.3	3416.9	3420.7	3477.7	3492.9	3458.7
20°	3310.5	3344.7	3337.1	3386.5	3405.5	3394.1	3367.5	3367.5	3424.5	3439.7	3405.5
22.5°	3230.7	3261.1	3253.5	3299.1	3321.9	3306.7	3283.9	3280.1	3337.1	3352.3	3318.1
25°	3120.5	3150.9	3143.3	3188.9	3211.7	3192.7	3166.1	3169.9	3215.5	3238.3	3207.9
27.5°	2991.2	3010.2	2998.8	3044.4	3067.2	3048.2	3021.6	3025.4	3071.0	3086.2	3063.4
30°	2816.4	2831.6	2820.2	2858.2	2873.4	2862.0	2839.2	2839.2	2881.0	2900.0	2877.2
32.5°	2607.3	2618.8	2607.3	2637.8	2668.2	2645.4	2622.6	2622.6	2668.2	2683.4	2656.8
35°	2364.1	2375.5	2367.9	2398.3	2421.1	2390.7	2371.7	2364.1	2424.9	2417.3	2402.1
37.5°	2094.2	2101.8	2079.0	2132.2	2143.7	2109.4	2094.2	2086.6	2139.8	2136.0	2120.8
40°	1790.2	1797.8	1782.6	1820.6	1824.4	1797.8	1786.4	1775.0	1828.2	1824.4	1813.0
42.5°	1467.1	1470.9	1451.9	1482.3	1489.9	1463.3	1459.5	1444.3	1493.7	1486.1	1482.3
45°	1132.6	1132.6	1117.4	1140.2	1147.8	1125.0	1117.4	1113.6	1147.8	1147.8	1140.2
47.5°	821.0	809.6	790.6	824.8	828.6	813.4	809.6	798.2	832.4	832.4	824.8
50°	562.5	558.7	554.9	562.5	566.3	547.3	558.7	547.3	566.3	566.3	566.3
52.5°	376.3	372.5	364.9	372.5	372.5	361.1	361.1	357.3	372.5	372.5	364.9
55°	235.6	231.8	228.0	231.8	231.8	220.4	228.0	220.4	228.0	228.0	224.2
57.5°	144.4	136.8	136.8	133.0	133.0	125.4	129.2	129.2	129.2	129.2	129.2
60°	83.6	79.8	76.0	76.0	76.0	72.2	72.2	72.2	72.2	72.2	72.2
62.5°	53.2	53.2	49.4	49.4	49.4	49.4	49.4	45.6	49.4	49.4	49.4
65°	45.6	41.8	41.8	41.8	41.8	38.0	38.0	38.0	38.0	38.0	38.0
67.5°	38.0	34.2	34.2	34.2	34.2	30.4	30.4	30.4	30.4	30.4	30.4
70°	30.4	26.6	26.6	26.6	26.6	26.6	22.8	26.6	26.6	22.8	22.8
72.5°	22.8	22.8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
75°	15.2	15.2	15.2	15.2	15.2	11.4	11.4	11.4	11.4	11.4	11.4
77.5°	11.4	11.4	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
80°	7.6	7.6	7.6	7.6	7.6	3.8	3.8	3.8	3.8	3.8	3.8
82.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
85°	3.8	3.8	3.8	3.8	3.8	0.0	3.8	0.0	3.8	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: P212848

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9
2.5°	3344.7	3306.7	3287.7	3325.7	3340.9	3321.9	3306.7	3280.1	3306.7	3321.9	3340.9
5°	3390.3	3356.1	3340.9	3367.5	3390.3	3371.3	3359.9	3333.3	3359.9	3371.3	3390.3
7.5°	3432.1	3397.9	3378.9	3405.5	3432.1	3405.5	3394.1	3371.3	3394.1	3405.5	3432.1
10°	3447.3	3409.3	3394.1	3416.9	3443.5	3416.9	3401.7	3386.5	3401.7	3416.9	3443.5
12.5°	3473.9	3435.9	3416.9	3435.9	3462.5	3435.9	3420.7	3409.3	3420.7	3435.9	3462.5
15°	3511.9	3477.7	3454.9	3473.9	3508.1	3477.7	3458.7	3454.9	3458.7	3477.7	3508.1
17.5°	3511.9	3485.3	3462.5	3477.7	3511.9	3489.1	3462.5	3470.1	3462.5	3489.1	3511.9
20°	3462.5	3435.9	3416.9	3416.9	3466.3	3435.9	3413.1	3424.5	3413.1	3435.9	3466.3
22.5°	3375.1	3352.3	3333.3	3329.5	3378.9	3352.3	3321.9	3344.7	3321.9	3352.3	3378.9
25°	3261.1	3238.3	3223.1	3215.5	3264.9	3234.5	3207.9	3230.7	3207.9	3234.5	3264.9
27.5°	3112.9	3093.8	3078.6	3067.2	3112.9	3086.2	3059.6	3082.4	3059.6	3086.2	3112.9
30°	2922.8	2911.4	2896.2	2881.0	2926.6	2900.0	2873.4	2903.8	2873.4	2900.0	2926.6
32.5°	2702.4	2694.8	2675.8	2660.6	2706.2	2675.8	2656.8	2679.6	2656.8	2675.8	2706.2
35°	2447.7	2436.3	2424.9	2398.3	2447.7	2421.1	2421.1	2428.7	2421.1	2421.1	2447.7
37.5°	2162.7	2155.1	2139.8	2117.0	2158.9	2139.8	2132.2	2155.1	2132.2	2139.8	2158.9
40°	1843.4	1839.6	1828.2	1801.6	1847.2	1828.2	1816.8	1847.2	1816.8	1828.2	1847.2
42.5°	1508.9	1501.3	1489.9	1486.1	1508.9	1493.7	1505.1	1505.1	1505.1	1493.7	1508.9
45°	1163.0	1155.4	1147.8	1132.6	1159.2	1151.6	1147.8	1155.4	1147.8	1151.6	1159.2
47.5°	843.8	836.2	828.6	817.2	843.8	832.4	832.4	840.0	832.4	832.4	843.8
50°	566.3	570.1	566.3	558.7	566.3	562.5	566.3	573.9	566.3	562.5	566.3
52.5°	376.3	376.3	368.7	364.9	372.5	368.7	380.1	372.5	380.1	368.7	372.5
55°	228.0	231.8	228.0	224.2	228.0	224.2	235.6	231.8	235.6	224.2	228.0
57.5°	129.2	129.2	133.0	129.2	136.8	133.0	133.0	133.0	133.0	133.0	136.8
60°	72.2	72.2	72.2	72.2	72.2	72.2	76.0	72.2	76.0	72.2	72.2
62.5°	49.4	49.4	49.4	45.6	49.4	45.6	49.4	49.4	49.4	45.6	49.4
65°	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
67.5°	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
70°	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
72.5°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
75°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
77.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
80°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
82.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	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: P212848

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9
2.5°	3325.7	3287.7	3306.7	3344.7	3291.5	3337.1	3310.5	3264.9	3264.9	3299.1	3306.7
5°	3367.5	3340.9	3356.1	3390.3	3337.1	3382.7	3352.3	3306.7	3302.9	3337.1	3348.5
7.5°	3405.5	3378.9	3397.9	3432.1	3375.1	3420.7	3394.1	3344.7	3337.1	3371.3	3382.7
10°	3416.9	3394.1	3409.3	3447.3	3390.3	3432.1	3413.1	3359.9	3356.1	3382.7	3397.9
12.5°	3435.9	3416.9	3435.9	3473.9	3416.9	3458.7	3439.7	3386.5	3378.9	3413.1	3424.5
15°	3473.9	3454.9	3477.7	3511.9	3458.7	3492.9	3473.9	3420.7	3416.9	3443.5	3458.7
17.5°	3477.7	3462.5	3485.3	3511.9	3458.7	3492.9	3477.7	3420.7	3416.9	3447.3	3458.7
20°	3416.9	3416.9	3435.9	3462.5	3405.5	3439.7	3424.5	3367.5	3367.5	3394.1	3405.5
22.5°	3329.5	3333.3	3352.3	3375.1	3318.1	3352.3	3337.1	3280.1	3283.9	3306.7	3321.9
25°	3215.5	3223.1	3238.3	3261.1	3207.9	3238.3	3215.5	3169.9	3166.1	3192.7	3211.7
27.5°	3067.2	3078.6	3093.8	3112.9	3063.4	3086.2	3071.0	3025.4	3021.6	3048.2	3067.2
30°	2881.0	2896.2	2911.4	2922.8	2877.2	2900.0	2881.0	2839.2	2839.2	2862.0	2873.4
32.5°	2660.6	2675.8	2694.8	2702.4	2656.8	2683.4	2668.2	2622.6	2622.6	2645.4	2668.2
35°	2398.3	2424.9	2436.3	2447.7	2402.1	2417.3	2424.9	2364.1	2371.7	2390.7	2421.1
37.5°	2117.0	2139.8	2155.1	2162.7	2120.8	2136.0	2139.8	2086.6	2094.2	2109.4	2143.7
40°	1801.6	1828.2	1839.6	1843.4	1813.0	1824.4	1828.2	1775.0	1786.4	1797.8	1824.4
42.5°	1486.1	1489.9	1501.3	1508.9	1482.3	1486.1	1493.7	1444.3	1459.5	1463.3	1489.9
45°	1132.6	1147.8	1155.4	1163.0	1140.2	1147.8	1147.8	1113.6	1117.4	1125.0	1147.8
47.5°	817.2	828.6	836.2	843.8	824.8	832.4	832.4	798.2	809.6	813.4	828.6
50°	558.7	566.3	570.1	566.3	566.3	566.3	566.3	547.3	558.7	547.3	566.3
52.5°	364.9	368.7	376.3	376.3	364.9	372.5	372.5	357.3	361.1	361.1	372.5
55°	224.2	228.0	231.8	228.0	224.2	228.0	228.0	220.4	228.0	220.4	231.8
57.5°	129.2	133.0	129.2	129.2	129.2	129.2	129.2	129.2	129.2	125.4	133.0
60°	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	76.0
62.5°	45.6	49.4	49.4	49.4	49.4	49.4	49.4	45.6	49.4	49.4	49.4
65°	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	41.8
67.5°	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	34.2
70°	22.8	22.8	22.8	22.8	22.8	22.8	26.6	26.6	22.8	26.6	26.6
72.5°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
75°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	15.2
77.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
80°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.6
82.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	3.8	0.0	3.8
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: P212848

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9
2.5°	3302.9	3272.5	3272.5	3238.3	3268.7	3272.5	3234.5	3223.1	3264.9	3219.3	3242.1
5°	3333.3	3302.9	3302.9	3268.7	3291.5	3291.5	3253.5	3234.5	3276.3	3230.7	3249.7
7.5°	3371.3	3337.1	3329.5	3295.3	3314.3	3318.1	3272.5	3245.9	3287.7	3234.5	3253.5
10°	3382.7	3344.7	3340.9	3306.7	3321.9	3325.7	3272.5	3249.7	3283.9	3226.9	3238.3
12.5°	3409.3	3367.5	3367.5	3333.3	3344.7	3344.7	3291.5	3261.1	3291.5	3234.5	3242.1
15°	3439.7	3394.1	3394.1	3359.9	3367.5	3371.3	3306.7	3276.3	3302.9	3242.1	3249.7
17.5°	3439.7	3390.3	3390.3	3359.9	3363.7	3359.9	3299.1	3264.9	3283.9	3219.3	3223.1
20°	3386.5	3337.1	3344.7	3310.5	3314.3	3310.5	3245.9	3211.7	3230.7	3162.3	3169.9
22.5°	3299.1	3253.5	3261.1	3230.7	3230.7	3226.9	3166.1	3131.9	3150.9	3082.4	3086.2
25°	3188.9	3143.3	3150.9	3120.5	3124.3	3124.3	3063.4	3025.4	3044.4	2983.6	2983.6
27.5°	3044.4	2998.8	3010.2	2991.2	2979.8	2983.6	2930.4	2892.4	2911.4	2854.4	2854.4
30°	2858.2	2820.2	2831.6	2816.4	2805.0	2805.0	2759.4	2721.4	2740.4	2691.0	2687.2
32.5°	2637.8	2607.3	2618.8	2607.3	2595.9	2607.3	2557.9	2519.9	2538.9	2500.9	2504.7
35°	2398.3	2367.9	2375.5	2364.1	2356.5	2364.1	2314.7	2288.1	2307.1	2269.1	2284.3
37.5°	2132.2	2079.0	2101.8	2094.2	2086.6	2090.4	2044.8	2025.8	2048.6	2025.8	2037.2
40°	1820.6	1782.6	1797.8	1790.2	1782.6	1801.6	1767.4	1740.8	1759.8	1744.6	1767.4
42.5°	1482.3	1451.9	1470.9	1467.1	1455.7	1478.5	1451.9	1432.9	1463.3	1455.7	1474.7
45°	1140.2	1117.4	1132.6	1132.6	1128.8	1147.8	1121.2	1125.0	1155.4	1166.8	1189.6
47.5°	824.8	790.6	809.6	821.0	821.0	840.0	824.8	840.0	874.2	897.0	916.0
50°	562.5	554.9	558.7	562.5	570.1	585.3	581.5	604.3	627.1	665.1	687.9
52.5°	372.5	364.9	372.5	376.3	383.9	399.1	399.1	425.7	452.3	486.5	513.1
55°	231.8	228.0	231.8	235.6	243.3	258.5	262.3	288.9	315.5	349.7	372.5
57.5°	133.0	136.8	136.8	144.4	148.2	159.6	171.0	186.2	216.6	250.9	273.7
60°	76.0	76.0	79.8	83.6	87.4	98.8	106.4	121.6	144.4	178.6	193.8
62.5°	49.4	49.4	53.2	53.2	57.0	64.6	72.2	87.4	106.4	133.0	148.2
65°	41.8	41.8	41.8	45.6	45.6	53.2	60.8	72.2	87.4	106.4	121.6
67.5°	34.2	34.2	34.2	38.0	38.0	41.8	49.4	57.0	68.4	83.6	95.0
70°	26.6	26.6	26.6	30.4	30.4	34.2	38.0	41.8	53.2	64.6	72.2
72.5°	19.0	19.0	22.8	22.8	22.8	26.6	30.4	34.2	41.8	49.4	53.2
75°	15.2	15.2	15.2	15.2	19.0	19.0	22.8	26.6	30.4	34.2	38.0
77.5°	7.6	7.6	11.4	11.4	11.4	15.2	15.2	19.0	22.8	26.6	26.6
80°	7.6	7.6	7.6	7.6	7.6	11.4	11.4	11.4	15.2	19.0	19.0
82.5°	3.8	3.8	3.8	3.8	3.8	7.6	7.6	7.6	11.4	11.4	11.4
85°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.6	7.6	7.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8
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: P212848

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9	3264.9
2.5°	3215.5	3226.9	3226.9	3215.5	3185.1	3211.7	3238.3	3211.7	3245.9	3185.1	3185.1
5°	3215.5	3223.1	3219.3	3204.1	3173.7	3196.5	3215.5	3188.9	3215.5	3158.5	3154.7
7.5°	3223.1	3215.5	3207.9	3188.9	3150.9	3166.1	3185.1	3154.7	3181.3	3120.5	3112.9
10°	3207.9	3196.5	3181.3	3154.7	3112.9	3124.3	3135.7	3109.1	3128.1	3067.2	3063.4
12.5°	3207.9	3188.9	3166.1	3135.7	3090.0	3097.7	3109.1	3074.8	3090.0	3033.0	3025.4
15°	3215.5	3181.3	3154.7	3120.5	3071.0	3074.8	3082.4	3044.4	3059.6	2998.8	2995.0
17.5°	3188.9	3150.9	3124.3	3082.4	3029.2	3033.0	3033.0	2995.0	3006.4	2945.6	2941.8
20°	3131.9	3086.2	3055.8	3017.8	2960.8	2960.8	2960.8	2922.8	2930.4	2877.2	2869.6
22.5°	3052.0	3002.6	2972.2	2934.2	2881.0	2877.2	2873.4	2843.0	2843.0	2793.6	2782.2
25°	2945.6	2900.0	2869.6	2835.4	2782.2	2774.6	2774.6	2748.0	2744.2	2698.6	2691.0
27.5°	2824.0	2770.8	2744.2	2713.8	2664.4	2656.8	2653.0	2637.8	2630.2	2580.7	2576.9
30°	2660.6	2614.9	2592.1	2565.5	2519.9	2512.3	2508.5	2493.3	2489.5	2440.1	2440.1
32.5°	2485.7	2428.7	2413.5	2386.9	2352.7	2348.9	2352.7	2333.7	2318.5	2284.3	2276.7
35°	2276.7	2219.7	2208.3	2196.9	2170.3	2162.7	2158.9	2155.1	2136.0	2113.2	2101.8
37.5°	2033.4	1984.0	1984.0	1980.2	1961.2	1961.2	1961.2	1953.6	1934.6	1927.0	1904.2
40°	1771.2	1733.2	1737.0	1740.8	1733.2	1737.0	1740.8	1733.2	1718.0	1710.4	1691.4
42.5°	1489.9	1470.9	1486.1	1497.5	1497.5	1508.9	1516.5	1516.5	1497.5	1493.7	1478.5
45°	1208.7	1204.9	1235.3	1258.1	1265.7	1284.7	1296.1	1288.5	1288.5	1288.5	1273.3
47.5°	946.4	961.6	988.2	1033.8	1049.0	1071.8	1079.4	1090.8	1087.0	1090.8	1079.4
50°	718.4	752.6	786.8	832.4	855.2	881.8	893.2	908.4	908.4	912.2	904.6
52.5°	543.5	570.1	627.1	657.5	684.1	710.7	726.0	741.2	745.0	745.0	737.4
55°	402.9	440.9	478.9	520.7	543.5	570.1	581.5	596.7	596.7	604.3	596.7
57.5°	292.7	330.7	372.5	402.9	429.5	448.5	459.9	471.3	478.9	478.9	475.1
60°	216.6	247.1	281.3	311.7	334.5	353.5	361.1	372.5	376.3	376.3	368.7
62.5°	163.4	193.8	224.2	250.9	266.1	281.3	288.9	296.5	296.5	296.5	292.7
65°	133.0	155.8	178.6	201.4	216.6	228.0	231.8	239.5	235.6	239.5	235.6
67.5°	106.4	121.6	140.6	155.8	167.2	174.8	178.6	186.2	182.4	186.2	182.4
70°	79.8	95.0	106.4	117.8	125.4	133.0	136.8	140.6	136.8	140.6	136.8
72.5°	60.8	68.4	79.8	91.2	95.0	98.8	102.6	102.6	102.6	106.4	102.6
75°	41.8	49.4	57.0	60.8	68.4	72.2	72.2	76.0	76.0	76.0	76.0
77.5°	30.4	34.2	38.0	41.8	45.6	49.4	49.4	53.2	53.2	53.2	53.2
80°	19.0	22.8	22.8	26.6	30.4	30.4	34.2	34.2	34.2	34.2	34.2
82.5°	11.4	15.2	15.2	19.0	19.0	19.0	22.8	22.8	22.8	22.8	22.8
85°	7.6	7.6	7.6	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.6	7.6	3.8	3.8
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: P212848

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3264.9	3264.9	3264.9	3264.9
2.5°	3215.5	3196.5	3226.9	3181.3
5°	3181.3	3162.3	3200.3	3143.3
7.5°	3139.5	3120.5	3154.7	3097.7
10°	3086.2	3067.2	3097.7	3036.8
12.5°	3040.6	3021.6	3055.8	2998.8
15°	3006.4	2987.4	3017.8	2964.6
17.5°	2953.2	2930.4	2964.6	2907.6
20°	2877.2	2862.0	2888.6	2831.6
22.5°	2789.8	2774.6	2805.0	2748.0
25°	2698.6	2679.6	2710.0	2653.0
27.5°	2580.7	2565.5	2595.9	2538.9
30°	2440.1	2424.9	2455.3	2402.1
32.5°	2280.5	2265.3	2288.1	2242.5
35°	2098.0	2086.6	2109.4	2060.0
37.5°	1900.4	1889.0	1911.8	1862.4
40°	1687.6	1676.2	1695.2	1672.4
42.5°	1478.5	1467.1	1486.1	1467.1
45°	1273.3	1265.7	1284.7	1265.7
47.5°	1083.2	1075.6	1094.6	1075.6
50°	900.8	904.6	912.2	904.6
52.5°	737.4	737.4	748.8	737.4
55°	596.7	600.5	604.3	596.7
57.5°	475.1	475.1	478.9	475.1
60°	368.7	372.5	372.5	368.7
62.5°	292.7	292.7	292.7	292.7
65°	231.8	231.8	235.6	231.8
67.5°	182.4	178.6	182.4	178.6
70°	136.8	136.8	136.8	136.8
72.5°	106.4	106.4	102.6	102.6
75°	76.0	79.8	76.0	76.0
77.5°	53.2	53.2	53.2	53.2
80°	34.2	34.2	34.2	34.2
82.5°	22.8	22.8	22.8	22.8
85°	15.2	11.4	11.4	11.4
87.5°	7.6	3.8	3.8	3.8
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)