

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: P212866

Luminaire Tested: **LD6B70D010TE EU6B60709024 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212866
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 EU6B60709024 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4893.9 lumens
Efficiency: N/A
Efficacy: 61.6 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

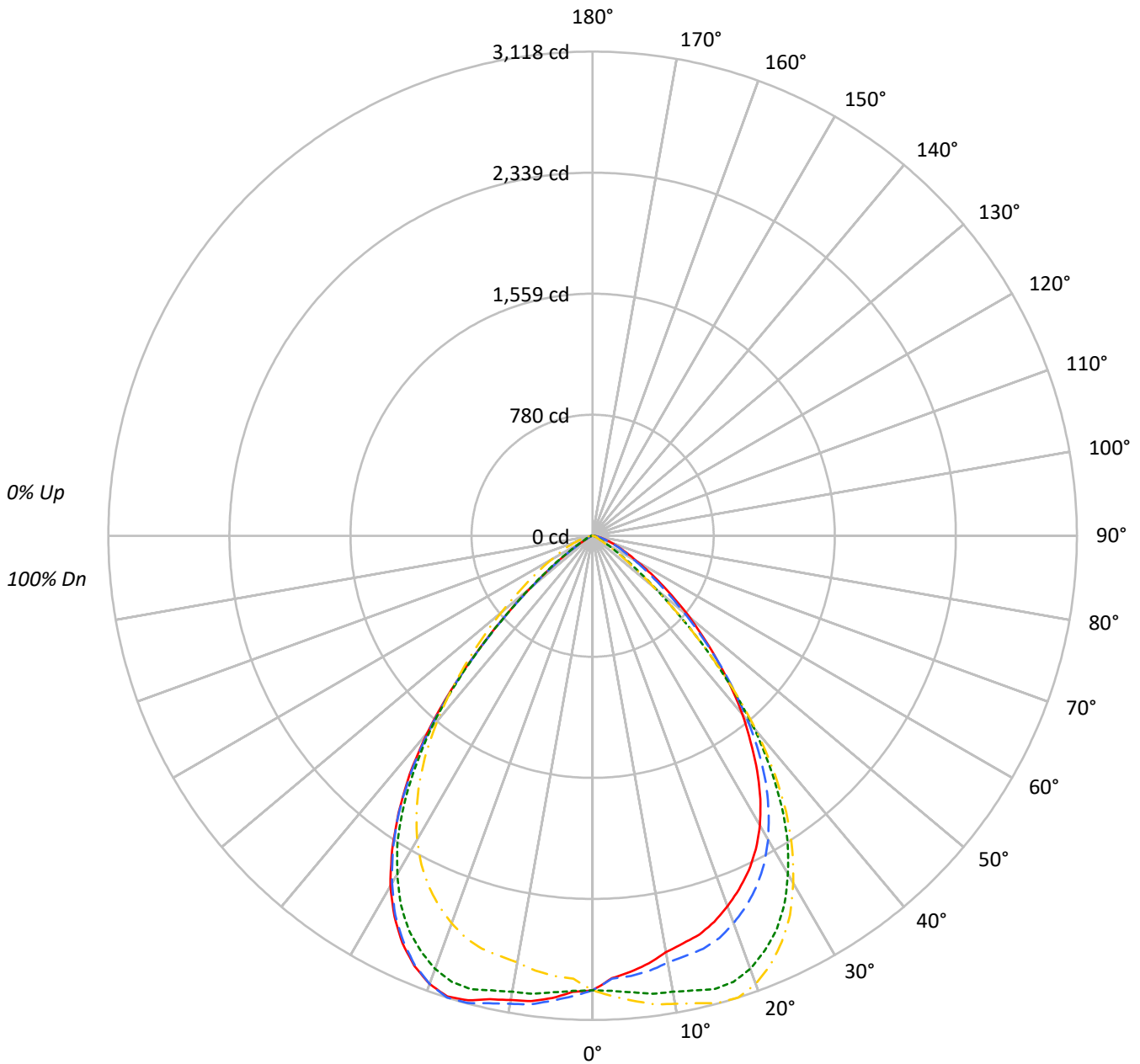
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				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				100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	96	95	94	93	91				91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82				82
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73				73
4	92	83	76	71	90	82	75	70	79	74	70	77	73	69	75	71	68	66				66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60				60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54				54
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49				49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45				45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42				42
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38				38

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	160464	160464	160464	160464
5°	155079	162392	164450	162392
10°	151561	165973	169007	165973
15°	150846	171539	175796	171539
20°	148098	173148	179111	173148
25°	143869	169425	175196	169425
30°	136325	159189	164798	159189
35°	123600	141843	145718	141843
40°	107294	115588	118515	115588
45°	87970	79783	80311	79783
50°	69166	44758	43879	44758
55°	51133	22145	19870	22145
60°	36236	9714	7094	9714
65°	26968	6187	4423	6187
70°	19667	4921	3270	4921
75°	14445	3601	2160	3601
80°	9692	3220	1073	3220
85°	6416	2139	2139	2139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.2	5.7
10°-20°	829.9	17.0
20°-30°	1238.5	25.3
30°-40°	1272.5	26.0
40°-50°	824.0	16.8
50°-60°	306.4	6.3
60°-70°	100.5	2.1
70°-80°	35.5	0.7
80°-90°	6.4	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°	2348.7	48.0
0°-40°	3621.1	74.0
0°-60°	4751.5	97.1
0°-90°	4893.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4893.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2927	2927	2927	2927	2927	
5°	2818	2951	2988	2951	2818	266
15°	2658	3022	3098	3022	2658	748
25°	2378	2801	2896	2801	2378	1090
35°	1847	2120	2177	2120	1847	1147
45°	1135	1029	1036	1029	1135	877
55°	535	232	208	232	535	488
65°	208	48	34	48	208	211
75°	68	17	10	17	68	75
85°	10	3	3	3	10	13
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°	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1
2.5°	2852.1	2893.0	2865.8	2882.8	2855.5	2855.5	2910.1	2879.4	2903.3	2879.4	2855.5
5°	2818.1	2869.2	2835.1	2852.1	2828.3	2831.7	2882.8	2859.0	2882.8	2865.8	2845.3
7.5°	2777.2	2828.3	2797.6	2814.7	2790.8	2797.6	2852.1	2828.3	2855.5	2838.5	2824.9
10°	2722.7	2777.2	2749.9	2766.9	2746.5	2749.9	2804.4	2787.4	2811.2	2801.0	2790.8
12.5°	2688.6	2739.7	2709.0	2726.1	2712.4	2719.2	2770.4	2756.7	2787.4	2777.2	2770.4
15°	2657.9	2705.6	2678.4	2695.4	2685.2	2688.6	2743.1	2729.5	2763.5	2756.7	2753.3
17.5°	2606.8	2657.9	2627.2	2647.7	2637.5	2640.9	2695.4	2685.2	2719.2	2719.2	2715.8
20°	2538.6	2589.8	2565.9	2579.5	2572.7	2579.5	2627.2	2620.4	2654.5	2654.5	2654.5
22.5°	2463.7	2514.8	2487.5	2501.2	2494.3	2504.6	2548.9	2548.9	2576.1	2579.5	2582.9
25°	2378.5	2429.6	2402.3	2419.4	2412.6	2419.4	2460.3	2463.7	2487.5	2487.5	2494.3
27.5°	2276.3	2327.4	2300.1	2313.7	2310.3	2313.7	2358.0	2364.9	2378.5	2381.9	2388.7
30°	2153.6	2201.3	2174.0	2187.7	2187.7	2187.7	2232.0	2235.4	2249.0	2252.4	2259.2
32.5°	2010.5	2051.4	2030.9	2044.5	2041.1	2048.0	2078.6	2092.2	2109.3	2105.9	2109.3
35°	1846.9	1891.2	1870.8	1881.0	1884.4	1894.6	1915.1	1932.1	1935.5	1938.9	1945.7
37.5°	1669.7	1714.0	1693.6	1703.8	1707.2	1727.6	1734.5	1751.5	1758.3	1758.3	1758.3
40°	1499.3	1519.8	1502.7	1513.0	1516.4	1533.4	1540.2	1553.9	1560.7	1557.3	1553.9
42.5°	1315.3	1332.4	1315.3	1325.5	1325.5	1339.2	1342.6	1359.6	1359.6	1352.8	1342.6
45°	1134.7	1151.8	1134.7	1141.5	1141.5	1155.2	1155.2	1155.2	1162.0	1151.8	1134.7
47.5°	964.3	981.4	964.3	971.2	967.8	978.0	974.6	978.0	967.8	960.9	940.5
50°	811.0	817.8	811.0	807.6	811.0	817.8	814.4	814.4	800.8	790.6	766.7
52.5°	661.1	671.3	661.1	661.1	661.1	667.9	667.9	664.5	650.8	637.2	613.4
55°	535.0	541.8	538.4	535.0	535.0	541.8	535.0	535.0	521.4	511.1	487.3
57.5°	425.9	429.4	425.9	425.9	425.9	429.4	429.4	422.5	412.3	402.1	385.1
60°	330.5	333.9	333.9	330.5	330.5	337.3	337.3	333.9	323.7	316.9	299.9
62.5°	262.4	262.4	262.4	262.4	262.4	265.8	265.8	265.8	259.0	252.2	238.5
65°	207.9	211.3	207.9	207.9	211.3	214.7	211.3	214.7	207.9	204.5	194.2
67.5°	160.2	163.6	160.2	163.6	163.6	167.0	163.6	167.0	160.2	156.7	149.9
70°	122.7	122.7	122.7	122.7	122.7	126.1	122.7	126.1	122.7	119.3	112.4
72.5°	92.0	92.0	95.4	95.4	92.0	95.4	92.0	92.0	92.0	88.6	85.2
75°	68.2	68.2	71.6	68.2	68.2	68.2	68.2	68.2	64.7	64.7	61.3
77.5°	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	44.3	44.3	40.9
80°	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	27.3	27.3
82.5°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	17.0	17.0
85°	10.2	10.2	10.2	13.6	10.2	10.2	10.2	10.2	10.2	10.2	10.2
87.5°	3.4	3.4	3.4	6.8	3.4	3.4	6.8	6.8	3.4	3.4	3.4
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°	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1
2.5°	2882.8	2893.0	2893.0	2882.8	2906.7	2886.2	2927.1	2889.6	2899.8	2933.9	2930.5
5°	2872.6	2886.2	2889.6	2882.8	2913.5	2896.4	2937.3	2899.8	2916.9	2951.0	2951.0
7.5°	2859.0	2876.0	2882.8	2889.6	2916.9	2899.8	2947.6	2910.1	2933.9	2974.8	2971.4
10°	2828.3	2852.1	2865.8	2876.0	2903.3	2893.0	2944.1	2913.5	2933.9	2981.6	2978.2
12.5°	2811.2	2838.5	2859.0	2876.0	2906.7	2899.8	2951.0	2923.7	2951.0	2998.7	2998.7
15°	2797.6	2828.3	2852.1	2882.8	2913.5	2906.7	2961.2	2937.3	2964.6	3022.5	3019.1
17.5°	2763.5	2801.0	2824.9	2859.0	2889.6	2886.2	2944.1	2927.1	2957.8	3012.3	3015.7
20°	2705.6	2739.7	2766.9	2807.8	2841.9	2835.1	2896.4	2879.4	2910.1	2968.0	2971.4
22.5°	2630.6	2664.7	2692.0	2736.3	2766.9	2763.5	2824.9	2807.8	2838.5	2893.0	2896.4
25°	2542.0	2572.7	2600.0	2640.9	2674.9	2674.9	2729.5	2712.4	2746.5	2801.0	2801.0
27.5°	2433.0	2460.3	2484.1	2531.8	2559.1	2559.1	2610.2	2593.2	2627.2	2674.9	2671.5
30°	2300.1	2324.0	2344.4	2385.3	2409.2	2412.6	2456.9	2439.8	2473.9	2514.8	2514.8
32.5°	2140.0	2163.8	2177.4	2228.6	2245.6	2242.2	2276.3	2259.2	2293.3	2337.6	2327.4
35°	1969.6	1979.8	1990.0	2041.1	2048.0	2034.3	2068.4	2051.4	2075.2	2119.5	2112.7
37.5°	1775.3	1778.8	1778.8	1823.1	1826.5	1816.2	1836.7	1816.2	1833.3	1874.2	1870.8
40°	1560.7	1557.3	1553.9	1587.9	1584.5	1564.1	1577.7	1560.7	1584.5	1615.2	1598.2
42.5°	1342.6	1332.4	1318.7	1335.8	1322.1	1305.1	1311.9	1284.7	1301.7	1325.5	1305.1
45°	1127.9	1107.5	1080.2	1083.6	1066.6	1046.1	1035.9	1008.6	1005.2	1029.1	1012.0
47.5°	926.9	886.0	862.1	848.5	821.2	804.2	783.7	753.1	739.4	753.1	736.0
50°	746.3	705.4	674.7	644.0	616.8	596.3	562.2	541.8	521.4	524.8	511.1
52.5°	589.5	562.2	511.1	487.3	460.0	436.2	405.5	381.6	357.8	357.8	344.2
55°	466.8	429.4	395.3	361.2	333.9	313.5	282.8	259.0	235.1	231.7	218.1
57.5°	361.2	333.9	296.5	262.4	245.3	224.9	194.2	167.0	153.3	143.1	132.9
60°	279.4	252.2	221.5	194.2	173.8	160.2	129.5	109.0	95.4	88.6	78.4
62.5°	224.9	201.0	173.8	146.5	132.9	119.3	95.4	78.4	64.7	57.9	51.1
65°	180.6	160.2	139.7	119.3	109.0	95.4	78.4	64.7	54.5	47.7	40.9
67.5°	139.7	126.1	109.0	95.4	85.2	75.0	61.3	51.1	44.3	37.5	34.1
70°	105.6	95.4	85.2	71.6	64.7	57.9	47.7	37.5	34.1	30.7	27.3
72.5°	81.8	71.6	61.3	54.5	47.7	44.3	37.5	30.7	27.3	23.9	20.4
75°	54.5	51.1	44.3	37.5	34.1	30.7	27.3	23.9	20.4	17.0	17.0
77.5°	37.5	34.1	30.7	27.3	23.9	23.9	20.4	17.0	13.6	13.6	10.2
80°	23.9	20.4	20.4	17.0	17.0	17.0	13.6	10.2	10.2	10.2	6.8
82.5°	17.0	13.6	13.6	10.2	10.2	10.2	10.2	6.8	6.8	6.8	3.4
85°	10.2	6.8	6.8	6.8	6.8	6.8	6.8	3.4	3.4	3.4	3.4
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	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°	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1
2.5°	2903.3	2933.9	2933.9	2961.2	2964.6	2957.8	2927.1	2927.1	2968.0	2991.8	2951.0
5°	2930.5	2961.2	2961.2	2988.4	3002.1	2991.8	2961.2	2964.6	3005.5	3032.7	2991.8
7.5°	2954.4	2985.0	2991.8	3022.5	3032.7	3022.5	2991.8	2998.7	3043.0	3066.8	3025.9
10°	2964.6	2995.3	2998.7	3032.7	3046.4	3032.7	3008.9	3012.3	3060.0	3077.0	3039.6
12.5°	2988.4	3019.1	3019.1	3056.6	3070.2	3060.0	3029.3	3036.1	3083.9	3100.9	3063.4
15°	3012.3	3043.0	3043.0	3083.9	3100.9	3087.3	3063.4	3066.8	3114.5	3131.6	3100.9
17.5°	3012.3	3039.6	3039.6	3083.9	3100.9	3090.7	3063.4	3066.8	3117.9	3131.6	3100.9
20°	2968.0	2998.7	2991.8	3036.1	3053.2	3043.0	3019.1	3019.1	3070.2	3083.9	3053.2
22.5°	2896.4	2923.7	2916.9	2957.8	2978.2	2964.6	2944.1	2940.7	2991.8	3005.5	2974.8
25°	2797.6	2824.9	2818.1	2859.0	2879.4	2862.4	2838.5	2841.9	2882.8	2903.3	2876.0
27.5°	2681.8	2698.8	2688.6	2729.5	2749.9	2732.9	2709.0	2712.4	2753.3	2766.9	2746.5
30°	2525.0	2538.6	2528.4	2562.5	2576.1	2565.9	2545.5	2545.5	2582.9	2600.0	2579.5
32.5°	2337.6	2347.8	2337.6	2364.9	2392.1	2371.7	2351.2	2351.2	2392.1	2405.7	2381.9
35°	2119.5	2129.7	2122.9	2150.2	2170.6	2143.4	2126.3	2119.5	2174.0	2167.2	2153.6
37.5°	1877.6	1884.4	1863.9	1911.6	1921.9	1891.2	1877.6	1870.8	1918.5	1915.1	1901.4
40°	1605.0	1611.8	1598.2	1632.2	1635.6	1611.8	1601.6	1591.3	1639.0	1635.6	1625.4
42.5°	1315.3	1318.7	1301.7	1329.0	1335.8	1311.9	1308.5	1294.9	1339.2	1332.4	1329.0
45°	1015.5	1015.5	1001.8	1022.3	1029.1	1008.6	1001.8	998.4	1029.1	1029.1	1022.3
47.5°	736.0	725.8	708.8	739.4	742.9	729.2	725.8	715.6	746.3	746.3	739.4
50°	504.3	500.9	497.5	504.3	507.7	490.7	500.9	490.7	507.7	507.7	507.7
52.5°	337.3	333.9	327.1	333.9	333.9	323.7	323.7	320.3	333.9	333.9	327.1
55°	211.3	207.9	204.5	207.9	207.9	197.6	204.5	197.6	204.5	204.5	201.0
57.5°	129.5	122.7	122.7	119.3	119.3	112.4	115.9	115.9	115.9	115.9	115.9
60°	75.0	71.6	68.2	68.2	68.2	64.7	64.7	64.7	64.7	64.7	64.7
62.5°	47.7	47.7	44.3	44.3	44.3	44.3	44.3	40.9	44.3	44.3	44.3
65°	40.9	37.5	37.5	37.5	37.5	34.1	34.1	34.1	34.1	34.1	34.1
67.5°	34.1	30.7	30.7	30.7	30.7	27.3	27.3	27.3	27.3	27.3	27.3
70°	27.3	23.9	23.9	23.9	23.9	23.9	20.4	23.9	23.9	20.4	20.4
72.5°	20.4	20.4	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
75°	13.6	13.6	13.6	13.6	13.6	10.2	10.2	10.2	10.2	10.2	10.2
77.5°	10.2	10.2	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
80°	6.8	6.8	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	0.0	3.4	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: P212866

CATALOG NUMBER: LD6B70D010TE EU6B60709024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1
2.5°	2998.7	2964.6	2947.6	2981.6	2995.3	2978.2	2964.6	2940.7	2964.6	2978.2	2995.3
5°	3039.6	3008.9	2995.3	3019.1	3039.6	3022.5	3012.3	2988.4	3012.3	3022.5	3039.6
7.5°	3077.0	3046.4	3029.3	3053.2	3077.0	3053.2	3043.0	3022.5	3043.0	3053.2	3077.0
10°	3090.7	3056.6	3043.0	3063.4	3087.3	3063.4	3049.8	3036.1	3049.8	3063.4	3087.3
12.5°	3114.5	3080.4	3063.4	3080.4	3104.3	3080.4	3066.8	3056.6	3066.8	3080.4	3104.3
15°	3148.6	3117.9	3097.5	3114.5	3145.2	3117.9	3100.9	3097.5	3100.9	3117.9	3145.2
17.5°	3148.6	3124.7	3104.3	3117.9	3148.6	3128.2	3104.3	3111.1	3104.3	3128.2	3148.6
20°	3104.3	3080.4	3063.4	3063.4	3107.7	3080.4	3060.0	3070.2	3060.0	3080.4	3107.7
22.5°	3025.9	3005.5	2988.4	2985.0	3029.3	3005.5	2978.2	2998.7	2978.2	3005.5	3029.3
25°	2923.7	2903.3	2889.6	2882.8	2927.1	2899.8	2876.0	2896.4	2876.0	2899.8	2927.1
27.5°	2790.8	2773.8	2760.1	2749.9	2790.8	2766.9	2743.1	2763.5	2743.1	2766.9	2790.8
30°	2620.4	2610.2	2596.6	2582.9	2623.8	2600.0	2576.1	2603.4	2576.1	2600.0	2623.8
32.5°	2422.8	2416.0	2398.9	2385.3	2426.2	2398.9	2381.9	2402.3	2381.9	2398.9	2426.2
35°	2194.5	2184.3	2174.0	2150.2	2194.5	2170.6	2170.6	2177.4	2170.6	2170.6	2194.5
37.5°	1938.9	1932.1	1918.5	1898.0	1935.5	1918.5	1911.6	1932.1	1911.6	1918.5	1935.5
40°	1652.7	1649.3	1639.0	1615.2	1656.1	1639.0	1628.8	1656.1	1628.8	1639.0	1656.1
42.5°	1352.8	1346.0	1335.8	1332.4	1352.8	1339.2	1349.4	1349.4	1349.4	1339.2	1352.8
45°	1042.7	1035.9	1029.1	1015.5	1039.3	1032.5	1029.1	1035.9	1029.1	1032.5	1039.3
47.5°	756.5	749.7	742.9	732.6	756.5	746.3	746.3	753.1	746.3	746.3	756.5
50°	507.7	511.1	507.7	500.9	507.7	504.3	507.7	514.5	507.7	504.3	507.7
52.5°	337.3	337.3	330.5	327.1	333.9	330.5	340.8	333.9	340.8	330.5	333.9
55°	204.5	207.9	204.5	201.0	204.5	201.0	211.3	207.9	211.3	201.0	204.5
57.5°	115.9	115.9	119.3	115.9	122.7	119.3	119.3	119.3	119.3	119.3	122.7
60°	64.7	64.7	64.7	64.7	64.7	64.7	68.2	64.7	68.2	64.7	64.7
62.5°	44.3	44.3	44.3	40.9	44.3	40.9	44.3	44.3	44.3	40.9	44.3
65°	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
67.5°	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
70°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
72.5°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
75°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
77.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
80°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	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



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CATALOG NUMBER: LD6B70D010TE EU6B60709024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1
2.5°	2981.6	2947.6	2964.6	2998.7	2951.0	2991.8	2968.0	2927.1	2927.1	2957.8	2964.6
5°	3019.1	2995.3	3008.9	3039.6	2991.8	3032.7	3005.5	2964.6	2961.2	2991.8	3002.1
7.5°	3053.2	3029.3	3046.4	3077.0	3025.9	3066.8	3043.0	2998.7	2991.8	3022.5	3032.7
10°	3063.4	3043.0	3056.6	3090.7	3039.6	3077.0	3060.0	3012.3	3008.9	3032.7	3046.4
12.5°	3080.4	3063.4	3080.4	3114.5	3063.4	3100.9	3083.9	3036.1	3029.3	3060.0	3070.2
15°	3114.5	3097.5	3117.9	3148.6	3100.9	3131.6	3114.5	3066.8	3063.4	3087.3	3100.9
17.5°	3117.9	3104.3	3124.7	3148.6	3100.9	3131.6	3117.9	3066.8	3063.4	3090.7	3100.9
20°	3063.4	3063.4	3080.4	3104.3	3053.2	3083.9	3070.2	3019.1	3019.1	3043.0	3053.2
22.5°	2985.0	2988.4	3005.5	3025.9	2974.8	3005.5	2991.8	2940.7	2944.1	2964.6	2978.2
25°	2882.8	2889.6	2903.3	2923.7	2876.0	2903.3	2882.8	2841.9	2838.5	2862.4	2879.4
27.5°	2749.9	2760.1	2773.8	2790.8	2746.5	2766.9	2753.3	2712.4	2709.0	2732.9	2749.9
30°	2582.9	2596.6	2610.2	2620.4	2579.5	2600.0	2582.9	2545.5	2545.5	2565.9	2576.1
32.5°	2385.3	2398.9	2416.0	2422.8	2381.9	2405.7	2392.1	2351.2	2351.2	2371.7	2392.1
35°	2150.2	2174.0	2184.3	2194.5	2153.6	2167.2	2174.0	2119.5	2126.3	2143.4	2170.6
37.5°	1898.0	1918.5	1932.1	1938.9	1901.4	1915.1	1918.5	1870.8	1877.6	1891.2	1921.9
40°	1615.2	1639.0	1649.3	1652.7	1625.4	1635.6	1639.0	1591.3	1601.6	1611.8	1635.6
42.5°	1332.4	1335.8	1346.0	1352.8	1329.0	1332.4	1339.2	1294.9	1308.5	1311.9	1335.8
45°	1015.5	1029.1	1035.9	1042.7	1022.3	1029.1	1029.1	998.4	1001.8	1008.6	1029.1
47.5°	732.6	742.9	749.7	756.5	739.4	746.3	746.3	715.6	725.8	729.2	742.9
50°	500.9	507.7	511.1	507.7	507.7	507.7	507.7	490.7	500.9	490.7	507.7
52.5°	327.1	330.5	337.3	337.3	327.1	333.9	333.9	320.3	323.7	323.7	333.9
55°	201.0	204.5	207.9	204.5	201.0	204.5	204.5	197.6	204.5	197.6	207.9
57.5°	115.9	119.3	115.9	115.9	115.9	115.9	115.9	115.9	115.9	112.4	119.3
60°	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	68.2
62.5°	40.9	44.3	44.3	44.3	44.3	44.3	44.3	40.9	44.3	44.3	44.3
65°	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	37.5
67.5°	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	30.7
70°	20.4	20.4	20.4	20.4	20.4	20.4	23.9	23.9	20.4	23.9	23.9
72.5°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
75°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	13.6
77.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
80°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	3.4	0.0	3.4
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: P212866

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1
2.5°	2961.2	2933.9	2933.9	2903.3	2930.5	2933.9	2899.8	2889.6	2927.1	2886.2	2906.7
5°	2988.4	2961.2	2961.2	2930.5	2951.0	2951.0	2916.9	2899.8	2937.3	2896.4	2913.5
7.5°	3022.5	2991.8	2985.0	2954.4	2971.4	2974.8	2933.9	2910.1	2947.6	2899.8	2916.9
10°	3032.7	2998.7	2995.3	2964.6	2978.2	2981.6	2933.9	2913.5	2944.1	2893.0	2903.3
12.5°	3056.6	3019.1	3019.1	2988.4	2998.7	2998.7	2951.0	2923.7	2951.0	2899.8	2906.7
15°	3083.9	3043.0	3043.0	3012.3	3019.1	3022.5	2964.6	2937.3	2961.2	2906.7	2913.5
17.5°	3083.9	3039.6	3039.6	3012.3	3015.7	3012.3	2957.8	2927.1	2944.1	2886.2	2889.6
20°	3036.1	2991.8	2998.7	2968.0	2971.4	2968.0	2910.1	2879.4	2896.4	2835.1	2841.9
22.5°	2957.8	2916.9	2923.7	2896.4	2896.4	2893.0	2838.5	2807.8	2824.9	2763.5	2766.9
25°	2859.0	2818.1	2824.9	2797.6	2801.0	2801.0	2746.5	2712.4	2729.5	2674.9	2674.9
27.5°	2729.5	2688.6	2698.8	2681.8	2671.5	2674.9	2627.2	2593.2	2610.2	2559.1	2559.1
30°	2562.5	2528.4	2538.6	2525.0	2514.8	2514.8	2473.9	2439.8	2456.9	2412.6	2409.2
32.5°	2364.9	2337.6	2347.8	2337.6	2327.4	2337.6	2293.3	2259.2	2276.3	2242.2	2245.6
35°	2150.2	2122.9	2129.7	2119.5	2112.7	2119.5	2075.2	2051.4	2068.4	2034.3	2048.0
37.5°	1911.6	1863.9	1884.4	1877.6	1870.8	1874.2	1833.3	1816.2	1836.7	1816.2	1826.5
40°	1632.2	1598.2	1611.8	1605.0	1598.2	1615.2	1584.5	1560.7	1577.7	1564.1	1584.5
42.5°	1329.0	1301.7	1318.7	1315.3	1305.1	1325.5	1301.7	1284.7	1311.9	1305.1	1322.1
45°	1022.3	1001.8	1015.5	1015.5	1012.0	1029.1	1005.2	1008.6	1035.9	1046.1	1066.6
47.5°	739.4	708.8	725.8	736.0	736.0	753.1	739.4	753.1	783.7	804.2	821.2
50°	504.3	497.5	500.9	504.3	511.1	524.8	521.4	541.8	562.2	596.3	616.8
52.5°	333.9	327.1	333.9	337.3	344.2	357.8	357.8	381.6	405.5	436.2	460.0
55°	207.9	204.5	207.9	211.3	218.1	231.7	235.1	259.0	282.8	313.5	333.9
57.5°	119.3	122.7	122.7	129.5	132.9	143.1	153.3	167.0	194.2	224.9	245.3
60°	68.2	68.2	71.6	75.0	78.4	88.6	95.4	109.0	129.5	160.2	173.8
62.5°	44.3	44.3	47.7	47.7	51.1	57.9	64.7	78.4	95.4	119.3	132.9
65°	37.5	37.5	37.5	40.9	40.9	47.7	54.5	64.7	78.4	95.4	109.0
67.5°	30.7	30.7	30.7	34.1	34.1	37.5	44.3	51.1	61.3	75.0	85.2
70°	23.9	23.9	23.9	27.3	27.3	30.7	34.1	37.5	47.7	57.9	64.7
72.5°	17.0	17.0	20.4	20.4	20.4	23.9	27.3	30.7	37.5	44.3	47.7
75°	13.6	13.6	13.6	13.6	17.0	17.0	20.4	23.9	27.3	30.7	34.1
77.5°	6.8	6.8	10.2	10.2	10.2	13.6	13.6	17.0	20.4	23.9	23.9
80°	6.8	6.8	6.8	6.8	6.8	10.2	10.2	10.2	13.6	17.0	17.0
82.5°	3.4	3.4	3.4	3.4	3.4	6.8	6.8	6.8	10.2	10.2	10.2
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	6.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
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: P212866

CATALOG NUMBER: LD6B70D010TE EU6B60709024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1	2927.1
2.5°	2882.8	2893.0	2893.0	2882.8	2855.5	2879.4	2903.3	2879.4	2910.1	2855.5	2855.5
5°	2882.8	2889.6	2886.2	2872.6	2845.3	2865.8	2882.8	2859.0	2882.8	2831.7	2828.3
7.5°	2889.6	2882.8	2876.0	2859.0	2824.9	2838.5	2855.5	2828.3	2852.1	2797.6	2790.8
10°	2876.0	2865.8	2852.1	2828.3	2790.8	2801.0	2811.2	2787.4	2804.4	2749.9	2746.5
12.5°	2876.0	2859.0	2838.5	2811.2	2770.4	2777.2	2787.4	2756.7	2770.4	2719.2	2712.4
15°	2882.8	2852.1	2828.3	2797.6	2753.3	2756.7	2763.5	2729.5	2743.1	2688.6	2685.2
17.5°	2859.0	2824.9	2801.0	2763.5	2715.8	2719.2	2719.2	2685.2	2695.4	2640.9	2637.5
20°	2807.8	2766.9	2739.7	2705.6	2654.5	2654.5	2654.5	2620.4	2627.2	2579.5	2572.7
22.5°	2736.3	2692.0	2664.7	2630.6	2582.9	2579.5	2576.1	2548.9	2548.9	2504.6	2494.3
25°	2640.9	2600.0	2572.7	2542.0	2494.3	2487.5	2487.5	2463.7	2460.3	2419.4	2412.6
27.5°	2531.8	2484.1	2460.3	2433.0	2388.7	2381.9	2378.5	2364.9	2358.0	2313.7	2310.3
30°	2385.3	2344.4	2324.0	2300.1	2259.2	2252.4	2249.0	2235.4	2232.0	2187.7	2187.7
32.5°	2228.6	2177.4	2163.8	2140.0	2109.3	2105.9	2109.3	2092.2	2078.6	2048.0	2041.1
35°	2041.1	1990.0	1979.8	1969.6	1945.7	1938.9	1935.5	1932.1	1915.1	1894.6	1884.4
37.5°	1823.1	1778.8	1778.8	1775.3	1758.3	1758.3	1758.3	1751.5	1734.5	1727.6	1707.2
40°	1587.9	1553.9	1557.3	1560.7	1553.9	1557.3	1560.7	1553.9	1540.2	1533.4	1516.4
42.5°	1335.8	1318.7	1332.4	1342.6	1342.6	1352.8	1359.6	1359.6	1342.6	1339.2	1325.5
45°	1083.6	1080.2	1107.5	1127.9	1134.7	1151.8	1162.0	1155.2	1155.2	1155.2	1141.5
47.5°	848.5	862.1	886.0	926.9	940.5	960.9	967.8	978.0	974.6	978.0	967.8
50°	644.0	674.7	705.4	746.3	766.7	790.6	800.8	814.4	814.4	817.8	811.0
52.5°	487.3	511.1	562.2	589.5	613.4	637.2	650.8	664.5	667.9	667.9	661.1
55°	361.2	395.3	429.4	466.8	487.3	511.1	521.4	535.0	535.0	541.8	535.0
57.5°	262.4	296.5	333.9	361.2	385.1	402.1	412.3	422.5	429.4	429.4	425.9
60°	194.2	221.5	252.2	279.4	299.9	316.9	323.7	333.9	337.3	337.3	330.5
62.5°	146.5	173.8	201.0	224.9	238.5	252.2	259.0	265.8	265.8	265.8	262.4
65°	119.3	139.7	160.2	180.6	194.2	204.5	207.9	214.7	211.3	214.7	211.3
67.5°	95.4	109.0	126.1	139.7	149.9	156.7	160.2	167.0	163.6	167.0	163.6
70°	71.6	85.2	95.4	105.6	112.4	119.3	122.7	126.1	122.7	126.1	122.7
72.5°	54.5	61.3	71.6	81.8	85.2	88.6	92.0	92.0	92.0	95.4	92.0
75°	37.5	44.3	51.1	54.5	61.3	64.7	64.7	68.2	68.2	68.2	68.2
77.5°	27.3	30.7	34.1	37.5	40.9	44.3	44.3	47.7	47.7	47.7	47.7
80°	17.0	20.4	20.4	23.9	27.3	27.3	30.7	30.7	30.7	30.7	30.7
82.5°	10.2	13.6	13.6	17.0	17.0	17.0	20.4	20.4	20.4	20.4	20.4
85°	6.8	6.8	6.8	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	3.4	3.4
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: P212866

CATALOG NUMBER: LD6B70D010TE EU6B60709024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2927.1	2927.1	2927.1	2927.1
2.5°	2882.8	2865.8	2893.0	2852.1
5°	2852.1	2835.1	2869.2	2818.1
7.5°	2814.7	2797.6	2828.3	2777.2
10°	2766.9	2749.9	2777.2	2722.7
12.5°	2726.1	2709.0	2739.7	2688.6
15°	2695.4	2678.4	2705.6	2657.9
17.5°	2647.7	2627.2	2657.9	2606.8
20°	2579.5	2565.9	2589.8	2538.6
22.5°	2501.2	2487.5	2514.8	2463.7
25°	2419.4	2402.3	2429.6	2378.5
27.5°	2313.7	2300.1	2327.4	2276.3
30°	2187.7	2174.0	2201.3	2153.6
32.5°	2044.5	2030.9	2051.4	2010.5
35°	1881.0	1870.8	1891.2	1846.9
37.5°	1703.8	1693.6	1714.0	1669.7
40°	1513.0	1502.7	1519.8	1499.3
42.5°	1325.5	1315.3	1332.4	1315.3
45°	1141.5	1134.7	1151.8	1134.7
47.5°	971.2	964.3	981.4	964.3
50°	807.6	811.0	817.8	811.0
52.5°	661.1	661.1	671.3	661.1
55°	535.0	538.4	541.8	535.0
57.5°	425.9	425.9	429.4	425.9
60°	330.5	333.9	333.9	330.5
62.5°	262.4	262.4	262.4	262.4
65°	207.9	207.9	211.3	207.9
67.5°	163.6	160.2	163.6	160.2
70°	122.7	122.7	122.7	122.7
72.5°	95.4	95.4	92.0	92.0
75°	68.2	71.6	68.2	68.2
77.5°	47.7	47.7	47.7	47.7
80°	30.7	30.7	30.7	30.7
82.5°	20.4	20.4	20.4	20.4
85°	13.6	10.2	10.2	10.2
87.5°	6.8	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)