

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: P212836

Luminaire Tested: **LD6B50D010TE EU6B30508030 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29203)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B50D010TE EU6B30508030 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5107.3 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

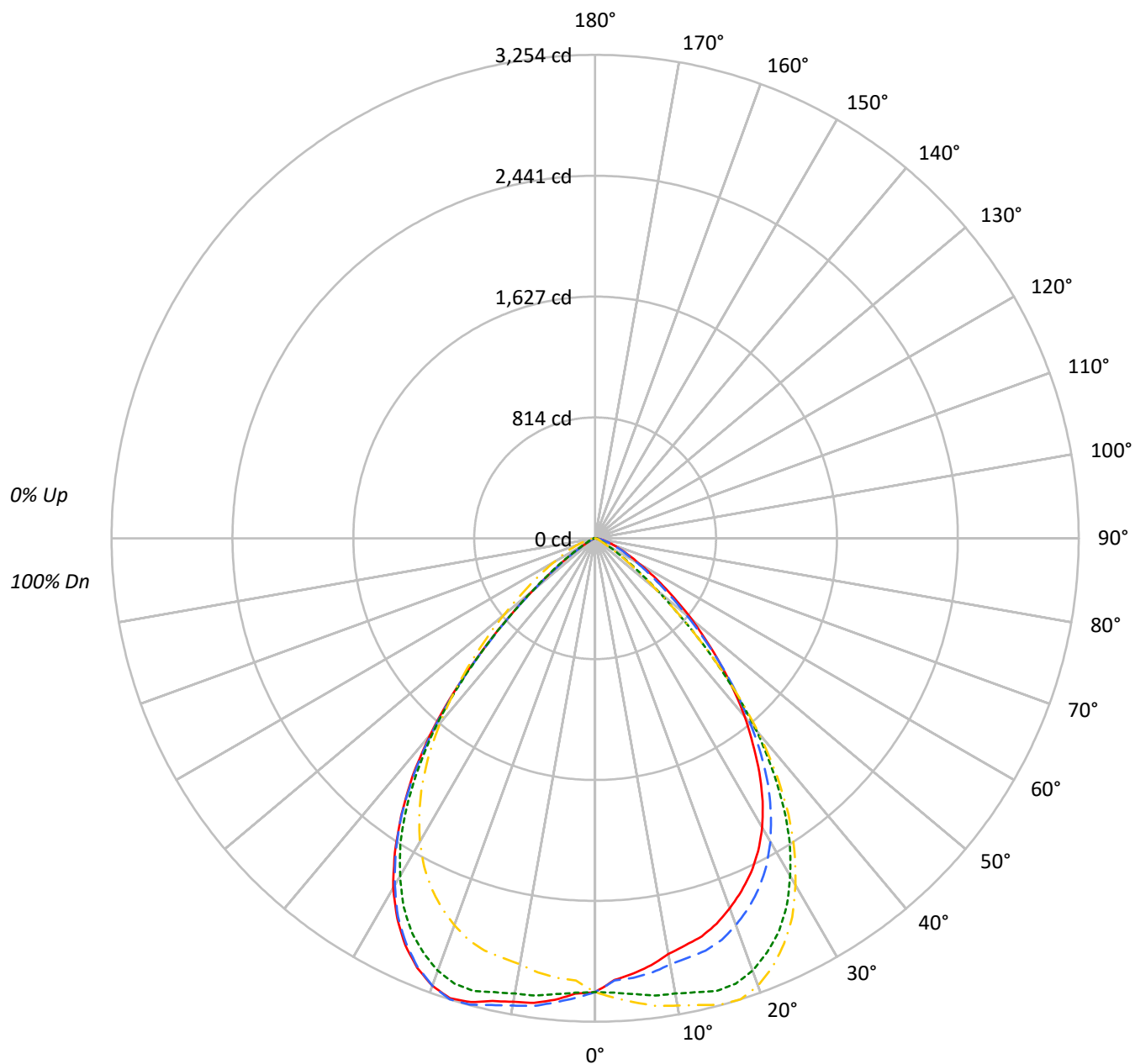
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P212836

CATALOG NUMBER: LD6B50D010TE EU6B30508030 6LBSWL11

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	167465	167465	167465	167465
5°	161842	169469	171626	169469
10°	158169	173215	176383	173215
15°	157424	179019	183463	179019
20°	154556	180697	186922	180697
25°	150142	176817	182835	176817
30°	142269	166133	171982	166133
35°	128988	148027	152076	148027
40°	111974	120626	123682	120626
45°	91808	83264	83815	83264
50°	72185	46711	45798	46711
55°	53360	23110	20730	23110
60°	37815	10142	7412	10142
65°	28135	6460	4618	6460
70°	20516	5129	3414	5129
75°	15060	3770	2266	3770
80°	10102	3378	1137	3378
85°	6730	2264	2264	2264



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.4	5.7
10°-20°	866.1	17.0
20°-30°	1292.5	25.3
30°-40°	1328.0	26.0
40°-50°	859.9	16.8
50°-60°	319.8	6.3
60°-70°	104.9	2.1
70°-80°	37.0	0.7
80°-90°	6.7	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°	2451.1	48.0
0°-40°	3779.0	74.0
0°-60°	4958.7	97.1
0°-90°	5107.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5107.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3055	3055	3055	3055	3055	
5°	2941	3080	3119	3080	2941	278
15°	2774	3154	3233	3154	2774	780
25°	2482	2923	3023	2923	2482	1138
35°	1927	2212	2272	2212	1927	1197
45°	1184	1074	1081	1074	1184	916
55°	558	242	217	242	558	509
65°	217	50	36	50	217	221
75°	71	18	11	18	71	78
85°	11	4	4	4	11	14
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°	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8
2.5°	2976.5	3019.2	2990.7	3008.5	2980.1	2980.1	3037.0	3005.0	3029.9	3005.0	2980.1
5°	2941.0	2994.3	2958.7	2976.5	2951.6	2955.2	3008.5	2983.6	3008.5	2990.7	2969.4
7.5°	2898.3	2951.6	2919.6	2937.4	2912.5	2919.6	2976.5	2951.6	2980.1	2962.3	2948.1
10°	2841.4	2898.3	2869.8	2887.6	2866.3	2869.8	2926.7	2908.9	2933.8	2923.2	2912.5
12.5°	2805.8	2859.2	2827.2	2844.9	2830.7	2837.8	2891.2	2876.9	2908.9	2898.3	2891.2
15°	2773.8	2823.6	2795.2	2812.9	2802.3	2805.8	2862.7	2848.5	2884.1	2876.9	2873.4
17.5°	2720.5	2773.8	2741.8	2763.1	2752.5	2756.0	2812.9	2802.3	2837.8	2837.8	2834.3
20°	2649.3	2702.7	2677.8	2692.0	2684.9	2692.0	2741.8	2734.7	2770.3	2770.3	2770.3
22.5°	2571.1	2624.5	2596.0	2610.2	2603.1	2613.8	2660.0	2660.0	2688.5	2692.0	2695.6
25°	2482.2	2535.6	2507.1	2524.9	2517.8	2524.9	2567.6	2571.1	2596.0	2596.0	2603.1
27.5°	2375.5	2428.9	2400.4	2414.6	2411.1	2414.6	2460.9	2468.0	2482.2	2485.8	2492.9
30°	2247.5	2297.3	2268.8	2283.1	2283.1	2283.1	2329.3	2332.8	2347.1	2350.6	2357.7
32.5°	2098.1	2140.8	2119.5	2133.7	2130.1	2137.3	2169.3	2183.5	2201.3	2197.7	2201.3
35°	1927.4	1973.7	1952.3	1963.0	1966.6	1977.2	1998.6	2016.4	2019.9	2023.5	2030.6
37.5°	1742.5	1788.8	1767.4	1778.1	1781.6	1803.0	1810.1	1827.9	1835.0	1835.0	1835.0
40°	1564.7	1586.1	1568.3	1578.9	1582.5	1600.3	1607.4	1621.6	1628.7	1625.2	1621.6
42.5°	1372.7	1390.5	1372.7	1383.4	1383.4	1397.6	1401.1	1418.9	1418.9	1411.8	1401.1
45°	1184.2	1202.0	1184.2	1191.3	1191.3	1205.5	1205.5	1205.5	1212.7	1202.0	1184.2
47.5°	1006.4	1024.2	1006.4	1013.5	1010.0	1020.6	1017.1	1020.6	1010.0	1002.8	981.5
50°	846.4	853.5	846.4	842.8	846.4	853.5	849.9	849.9	835.7	825.0	800.1
52.5°	689.9	700.6	689.9	689.9	689.9	697.0	697.0	693.5	679.2	665.0	640.1
55°	558.3	565.4	561.9	558.3	558.3	565.4	558.3	558.3	544.1	533.4	508.5
57.5°	444.5	448.1	444.5	444.5	444.5	448.1	448.1	441.0	430.3	419.6	401.8
60°	344.9	348.5	348.5	344.9	344.9	352.1	352.1	348.5	337.8	330.7	312.9
62.5°	273.8	273.8	273.8	273.8	273.8	277.4	277.4	277.4	270.3	263.2	248.9
65°	216.9	220.5	216.9	216.9	220.5	224.0	220.5	224.0	216.9	213.4	202.7
67.5°	167.1	170.7	167.1	170.7	170.7	174.3	170.7	174.3	167.1	163.6	156.5
70°	128.0	128.0	128.0	128.0	128.0	131.6	128.0	131.6	128.0	124.5	117.4
72.5°	96.0	96.0	99.6	99.6	96.0	99.6	96.0	96.0	96.0	92.5	88.9
75°	71.1	71.1	74.7	71.1	71.1	71.1	71.1	71.1	67.6	67.6	64.0
77.5°	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	46.2	46.2	42.7
80°	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	28.4	28.4
82.5°	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	17.8	17.8
85°	10.7	10.7	10.7	14.2	10.7	10.7	10.7	10.7	10.7	10.7	10.7
87.5°	3.6	3.6	3.6	7.1	3.6	3.6	7.1	7.1	3.6	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8
2.5°	3008.5	3019.2	3019.2	3008.5	3033.4	3012.1	3054.8	3015.6	3026.3	3061.9	3058.3
5°	2997.9	3012.1	3015.6	3008.5	3040.5	3022.7	3065.4	3026.3	3044.1	3079.6	3079.6
7.5°	2983.6	3001.4	3008.5	3015.6	3044.1	3026.3	3076.1	3037.0	3061.9	3104.5	3101.0
10°	2951.6	2976.5	2990.7	3001.4	3029.9	3019.2	3072.5	3040.5	3061.9	3111.7	3108.1
12.5°	2933.8	2962.3	2983.6	3001.4	3033.4	3026.3	3079.6	3051.2	3079.6	3129.4	3129.4
15°	2919.6	2951.6	2976.5	3008.5	3040.5	3033.4	3090.3	3065.4	3093.9	3154.3	3150.8
17.5°	2884.1	2923.2	2948.1	2983.6	3015.6	3012.1	3072.5	3054.8	3086.8	3143.7	3147.2
20°	2823.6	2859.2	2887.6	2930.3	2965.8	2958.7	3022.7	3005.0	3037.0	3097.4	3101.0
22.5°	2745.4	2780.9	2809.4	2855.6	2887.6	2884.1	2948.1	2930.3	2962.3	3019.2	3022.7
25°	2652.9	2684.9	2713.4	2756.0	2791.6	2791.6	2848.5	2830.7	2866.3	2923.2	2923.2
27.5°	2539.1	2567.6	2592.5	2642.2	2670.7	2670.7	2724.0	2706.2	2741.8	2791.6	2788.0
30°	2400.4	2425.3	2446.6	2489.3	2514.2	2517.8	2564.0	2546.2	2581.8	2624.5	2624.5
32.5°	2233.3	2258.2	2272.4	2325.7	2343.5	2340.0	2375.5	2357.7	2393.3	2439.5	2428.9
35°	2055.5	2066.1	2076.8	2130.1	2137.3	2123.0	2158.6	2140.8	2165.7	2211.9	2204.8
37.5°	1852.8	1856.3	1856.3	1902.6	1906.1	1895.4	1916.8	1895.4	1913.2	1955.9	1952.3
40°	1628.7	1625.2	1621.6	1657.2	1653.6	1632.3	1646.5	1628.7	1653.6	1685.6	1667.8
42.5°	1401.1	1390.5	1376.2	1394.0	1379.8	1362.0	1369.1	1340.7	1358.5	1383.4	1362.0
45°	1177.1	1155.8	1127.3	1130.9	1113.1	1091.7	1081.1	1052.6	1049.1	1074.0	1056.2
47.5°	967.3	924.6	899.7	885.5	857.0	839.3	817.9	785.9	771.7	785.9	768.1
50°	778.8	736.1	704.1	672.1	643.7	622.3	586.8	565.4	544.1	547.7	533.4
52.5°	615.2	586.8	533.4	508.5	480.1	455.2	423.2	398.3	373.4	373.4	359.2
55°	487.2	448.1	412.5	377.0	348.5	327.2	295.2	270.3	245.4	241.8	227.6
57.5°	377.0	348.5	309.4	273.8	256.0	234.7	202.7	174.3	160.0	149.4	138.7
60°	291.6	263.2	231.2	202.7	181.4	167.1	135.1	113.8	99.6	92.5	81.8
62.5°	234.7	209.8	181.4	152.9	138.7	124.5	99.6	81.8	67.6	60.5	53.3
65°	188.5	167.1	145.8	124.5	113.8	99.6	81.8	67.6	56.9	49.8	42.7
67.5°	145.8	131.6	113.8	99.6	88.9	78.2	64.0	53.3	46.2	39.1	35.6
70°	110.2	99.6	88.9	74.7	67.6	60.5	49.8	39.1	35.6	32.0	28.4
72.5°	85.3	74.7	64.0	56.9	49.8	46.2	39.1	32.0	28.4	24.9	21.3
75°	56.9	53.3	46.2	39.1	35.6	32.0	28.4	24.9	21.3	17.8	17.8
77.5°	39.1	35.6	32.0	28.4	24.9	24.9	21.3	17.8	14.2	14.2	10.7
80°	24.9	21.3	21.3	17.8	17.8	17.8	14.2	10.7	10.7	10.7	7.1
82.5°	17.8	14.2	14.2	10.7	10.7	10.7	10.7	7.1	7.1	7.1	3.6
85°	10.7	7.1	7.1	7.1	7.1	7.1	7.1	3.6	3.6	3.6	3.6
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8
2.5°	3029.9	3061.9	3061.9	3090.3	3093.9	3086.8	3054.8	3054.8	3097.4	3122.3	3079.6
5°	3058.3	3090.3	3090.3	3118.8	3133.0	3122.3	3090.3	3093.9	3136.5	3165.0	3122.3
7.5°	3083.2	3115.2	3122.3	3154.3	3165.0	3154.3	3122.3	3129.4	3175.7	3200.6	3157.9
10°	3093.9	3125.9	3129.4	3165.0	3179.2	3165.0	3140.1	3143.7	3193.4	3211.2	3172.1
12.5°	3118.8	3150.8	3150.8	3189.9	3204.1	3193.4	3161.4	3168.6	3218.3	3236.1	3197.0
15°	3143.7	3175.7	3175.7	3218.3	3236.1	3221.9	3197.0	3200.6	3253.9	3268.1	3236.1
17.5°	3143.7	3172.1	3172.1	3218.3	3236.1	3225.4	3197.0	3200.6	3253.9	3268.1	3236.1
20°	3097.4	3129.4	3122.3	3168.6	3186.3	3175.7	3150.8	3150.8	3204.1	3218.3	3186.3
22.5°	3022.7	3051.2	3044.1	3086.8	3108.1	3093.9	3072.5	3069.0	3122.3	3136.5	3104.5
25°	2919.6	2948.1	2941.0	2983.6	3005.0	2987.2	2962.3	2965.8	3008.5	3029.9	3001.4
27.5°	2798.7	2816.5	2805.8	2848.5	2869.8	2852.1	2827.2	2830.7	2873.4	2887.6	2866.3
30°	2635.1	2649.3	2638.7	2674.2	2688.5	2677.8	2656.5	2656.5	2695.6	2713.4	2692.0
32.5°	2439.5	2450.2	2439.5	2468.0	2496.4	2475.1	2453.8	2453.8	2496.4	2510.7	2485.8
35°	2211.9	2222.6	2215.5	2243.9	2265.3	2236.8	2219.1	2211.9	2268.8	2261.7	2247.5
37.5°	1959.5	1966.6	1945.2	1995.0	2005.7	1973.7	1959.5	1952.3	2002.1	1998.6	1984.3
40°	1675.0	1682.1	1667.8	1703.4	1707.0	1682.1	1671.4	1660.7	1710.5	1707.0	1696.3
42.5°	1372.7	1376.2	1358.5	1386.9	1394.0	1369.1	1365.6	1351.3	1397.6	1390.5	1386.9
45°	1059.7	1059.7	1045.5	1066.9	1074.0	1052.6	1045.5	1042.0	1074.0	1074.0	1066.9
47.5°	768.1	757.5	739.7	771.7	775.2	761.0	757.5	746.8	778.8	778.8	771.7
50°	526.3	522.8	519.2	526.3	529.9	512.1	522.8	512.1	529.9	529.9	529.9
52.5°	352.1	348.5	341.4	348.5	348.5	337.8	337.8	334.3	348.5	348.5	341.4
55°	220.5	216.9	213.4	216.9	216.9	206.3	213.4	206.3	213.4	213.4	209.8
57.5°	135.1	128.0	128.0	124.5	124.5	117.4	120.9	120.9	120.9	120.9	120.9
60°	78.2	74.7	71.1	71.1	71.1	67.6	67.6	67.6	67.6	67.6	67.6
62.5°	49.8	49.8	46.2	46.2	46.2	46.2	46.2	42.7	46.2	46.2	46.2
65°	42.7	39.1	39.1	39.1	39.1	35.6	35.6	35.6	35.6	35.6	35.6
67.5°	35.6	32.0	32.0	32.0	32.0	28.4	28.4	28.4	28.4	28.4	28.4
70°	28.4	24.9	24.9	24.9	24.9	24.9	21.3	24.9	24.9	21.3	21.3
72.5°	21.3	21.3	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
75°	14.2	14.2	14.2	14.2	14.2	10.7	10.7	10.7	10.7	10.7	10.7
77.5°	10.7	10.7	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	7.1	7.1	7.1	7.1	7.1	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
85°	3.6	3.6	3.6	3.6	3.6	0.0	3.6	0.0	3.6	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212836

CATALOG NUMBER: LD6B50D010TE EU6B30508030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8
2.5°	3129.4	3093.9	3076.1	3111.7	3125.9	3108.1	3093.9	3069.0	3093.9	3108.1	3125.9
5°	3172.1	3140.1	3125.9	3150.8	3172.1	3154.3	3143.7	3118.8	3143.7	3154.3	3172.1
7.5°	3211.2	3179.2	3161.4	3186.3	3211.2	3186.3	3175.7	3154.3	3175.7	3186.3	3211.2
10°	3225.4	3189.9	3175.7	3197.0	3221.9	3197.0	3182.8	3168.6	3182.8	3197.0	3221.9
12.5°	3250.3	3214.8	3197.0	3214.8	3239.7	3214.8	3200.6	3189.9	3200.6	3214.8	3239.7
15°	3285.9	3253.9	3232.6	3250.3	3282.3	3253.9	3236.1	3232.6	3236.1	3253.9	3282.3
17.5°	3285.9	3261.0	3239.7	3253.9	3285.9	3264.6	3239.7	3246.8	3239.7	3264.6	3285.9
20°	3239.7	3214.8	3197.0	3197.0	3243.2	3214.8	3193.4	3204.1	3193.4	3214.8	3243.2
22.5°	3157.9	3136.5	3118.8	3115.2	3161.4	3136.5	3108.1	3129.4	3108.1	3136.5	3161.4
25°	3051.2	3029.9	3015.6	3008.5	3054.8	3026.3	3001.4	3022.7	3001.4	3026.3	3054.8
27.5°	2912.5	2894.7	2880.5	2869.8	2912.5	2887.6	2862.7	2884.1	2862.7	2887.6	2912.5
30°	2734.7	2724.0	2709.8	2695.6	2738.3	2713.4	2688.5	2716.9	2688.5	2713.4	2738.3
32.5°	2528.4	2521.3	2503.5	2489.3	2532.0	2503.5	2485.8	2507.1	2485.8	2503.5	2532.0
35°	2290.2	2279.5	2268.8	2243.9	2290.2	2265.3	2265.3	2272.4	2265.3	2265.3	2290.2
37.5°	2023.5	2016.4	2002.1	1980.8	2019.9	2002.1	1995.0	2016.4	1995.0	2002.1	2019.9
40°	1724.7	1721.2	1710.5	1685.6	1728.3	1710.5	1699.9	1728.3	1699.9	1710.5	1728.3
42.5°	1411.8	1404.7	1394.0	1390.5	1411.8	1397.6	1408.2	1408.2	1408.2	1397.6	1411.8
45°	1088.2	1081.1	1074.0	1059.7	1084.6	1077.5	1074.0	1081.1	1074.0	1077.5	1084.6
47.5°	789.5	782.4	775.2	764.6	789.5	778.8	778.8	785.9	778.8	778.8	789.5
50°	529.9	533.4	529.9	522.8	529.9	526.3	529.9	537.0	529.9	526.3	529.9
52.5°	352.1	352.1	344.9	341.4	348.5	344.9	355.6	348.5	355.6	344.9	348.5
55°	213.4	216.9	213.4	209.8	213.4	209.8	220.5	216.9	220.5	209.8	213.4
57.5°	120.9	120.9	124.5	120.9	128.0	124.5	124.5	124.5	124.5	124.5	128.0
60°	67.6	67.6	67.6	67.6	67.6	67.6	71.1	67.6	71.1	67.6	67.6
62.5°	46.2	46.2	46.2	42.7	46.2	42.7	46.2	46.2	46.2	42.7	46.2
65°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
67.5°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
70°	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
72.5°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
75°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212836

CATALOG NUMBER: LD6B50D010TE EU6B30508030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8
2.5°	3111.7	3076.1	3093.9	3129.4	3079.6	3122.3	3097.4	3054.8	3054.8	3086.8	3093.9
5°	3150.8	3125.9	3140.1	3172.1	3122.3	3165.0	3136.5	3093.9	3090.3	3122.3	3133.0
7.5°	3186.3	3161.4	3179.2	3211.2	3157.9	3200.6	3175.7	3129.4	3122.3	3154.3	3165.0
10°	3197.0	3175.7	3189.9	3225.4	3172.1	3211.2	3193.4	3143.7	3140.1	3165.0	3179.2
12.5°	3214.8	3197.0	3214.8	3250.3	3197.0	3236.1	3218.3	3168.6	3161.4	3193.4	3204.1
15°	3250.3	3232.6	3253.9	3285.9	3236.1	3268.1	3250.3	3200.6	3197.0	3221.9	3236.1
17.5°	3253.9	3239.7	3261.0	3285.9	3236.1	3268.1	3253.9	3200.6	3197.0	3225.4	3236.1
20°	3197.0	3197.0	3214.8	3239.7	3186.3	3218.3	3204.1	3150.8	3150.8	3175.7	3186.3
22.5°	3115.2	3118.8	3136.5	3157.9	3104.5	3136.5	3122.3	3069.0	3072.5	3093.9	3108.1
25°	3008.5	3015.6	3029.9	3051.2	3001.4	3029.9	3008.5	2965.8	2962.3	2987.2	3005.0
27.5°	2869.8	2880.5	2894.7	2912.5	2866.3	2887.6	2873.4	2830.7	2827.2	2852.1	2869.8
30°	2695.6	2709.8	2724.0	2734.7	2692.0	2713.4	2695.6	2656.5	2656.5	2677.8	2688.5
32.5°	2489.3	2503.5	2521.3	2528.4	2485.8	2510.7	2496.4	2453.8	2453.8	2475.1	2496.4
35°	2243.9	2268.8	2279.5	2290.2	2247.5	2261.7	2268.8	2211.9	2219.1	2236.8	2265.3
37.5°	1980.8	2002.1	2016.4	2023.5	1984.3	1998.6	2002.1	1952.3	1959.5	1973.7	2005.7
40°	1685.6	1710.5	1721.2	1724.7	1696.3	1707.0	1710.5	1660.7	1671.4	1682.1	1707.0
42.5°	1390.5	1394.0	1404.7	1411.8	1386.9	1390.5	1397.6	1351.3	1365.6	1369.1	1394.0
45°	1059.7	1074.0	1081.1	1088.2	1066.9	1074.0	1074.0	1042.0	1045.5	1052.6	1074.0
47.5°	764.6	775.2	782.4	789.5	771.7	778.8	778.8	746.8	757.5	761.0	775.2
50°	522.8	529.9	533.4	529.9	529.9	529.9	529.9	512.1	522.8	512.1	529.9
52.5°	341.4	344.9	352.1	352.1	341.4	348.5	348.5	334.3	337.8	337.8	348.5
55°	209.8	213.4	216.9	213.4	209.8	213.4	213.4	206.3	213.4	206.3	216.9
57.5°	120.9	124.5	120.9	120.9	120.9	120.9	120.9	120.9	120.9	117.4	124.5
60°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	71.1
62.5°	42.7	46.2	46.2	46.2	46.2	46.2	46.2	42.7	46.2	46.2	46.2
65°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	39.1
67.5°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	32.0
70°	21.3	21.3	21.3	21.3	21.3	21.3	24.9	24.9	21.3	24.9	24.9
72.5°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
75°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	14.2
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	7.1
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	3.6	0.0	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212836

CATALOG NUMBER: LD6B50D010TE EU6B30508030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8
2.5°	3090.3	3061.9	3061.9	3029.9	3058.3	3061.9	3026.3	3015.6	3054.8	3012.1	3033.4
5°	3118.8	3090.3	3090.3	3058.3	3079.6	3079.6	3044.1	3026.3	3065.4	3022.7	3040.5
7.5°	3154.3	3122.3	3115.2	3083.2	3101.0	3104.5	3061.9	3037.0	3076.1	3026.3	3044.1
10°	3165.0	3129.4	3125.9	3093.9	3108.1	3111.7	3061.9	3040.5	3072.5	3019.2	3029.9
12.5°	3189.9	3150.8	3150.8	3118.8	3129.4	3129.4	3079.6	3051.2	3079.6	3026.3	3033.4
15°	3218.3	3175.7	3175.7	3143.7	3150.8	3154.3	3093.9	3065.4	3090.3	3033.4	3040.5
17.5°	3218.3	3172.1	3172.1	3143.7	3147.2	3143.7	3086.8	3054.8	3072.5	3012.1	3015.6
20°	3168.6	3122.3	3129.4	3097.4	3101.0	3097.4	3037.0	3005.0	3022.7	2958.7	2965.8
22.5°	3086.8	3044.1	3051.2	3022.7	3022.7	3019.2	2962.3	2930.3	2948.1	2884.1	2887.6
25°	2983.6	2941.0	2948.1	2919.6	2923.2	2923.2	2866.3	2830.7	2848.5	2791.6	2791.6
27.5°	2848.5	2805.8	2816.5	2798.7	2788.0	2791.6	2741.8	2706.2	2724.0	2670.7	2670.7
30°	2674.2	2638.7	2649.3	2635.1	2624.5	2624.5	2581.8	2546.2	2564.0	2517.8	2514.2
32.5°	2468.0	2439.5	2450.2	2439.5	2428.9	2439.5	2393.3	2357.7	2375.5	2340.0	2343.5
35°	2243.9	2215.5	2222.6	2211.9	2204.8	2211.9	2165.7	2140.8	2158.6	2123.0	2137.3
37.5°	1995.0	1945.2	1966.6	1959.5	1952.3	1955.9	1913.2	1895.4	1916.8	1895.4	1906.1
40°	1703.4	1667.8	1682.1	1675.0	1667.8	1685.6	1653.6	1628.7	1646.5	1632.3	1653.6
42.5°	1386.9	1358.5	1376.2	1372.7	1362.0	1383.4	1358.5	1340.7	1369.1	1362.0	1379.8
45°	1066.9	1045.5	1059.7	1059.7	1056.2	1074.0	1049.1	1052.6	1081.1	1091.7	1113.1
47.5°	771.7	739.7	757.5	768.1	768.1	785.9	771.7	785.9	817.9	839.3	857.0
50°	526.3	519.2	522.8	526.3	533.4	547.7	544.1	565.4	586.8	622.3	643.7
52.5°	348.5	341.4	348.5	352.1	359.2	373.4	373.4	398.3	423.2	455.2	480.1
55°	216.9	213.4	216.9	220.5	227.6	241.8	245.4	270.3	295.2	327.2	348.5
57.5°	124.5	128.0	128.0	135.1	138.7	149.4	160.0	174.3	202.7	234.7	256.0
60°	71.1	71.1	74.7	78.2	81.8	92.5	99.6	113.8	135.1	167.1	181.4
62.5°	46.2	46.2	49.8	49.8	53.3	60.5	67.6	81.8	99.6	124.5	138.7
65°	39.1	39.1	39.1	42.7	42.7	49.8	56.9	67.6	81.8	99.6	113.8
67.5°	32.0	32.0	32.0	35.6	35.6	39.1	46.2	53.3	64.0	78.2	88.9
70°	24.9	24.9	24.9	28.4	28.4	32.0	35.6	39.1	49.8	60.5	67.6
72.5°	17.8	17.8	21.3	21.3	21.3	24.9	28.4	32.0	39.1	46.2	49.8
75°	14.2	14.2	14.2	14.2	17.8	17.8	21.3	24.9	28.4	32.0	35.6
77.5°	7.1	7.1	10.7	10.7	10.7	14.2	14.2	17.8	21.3	24.9	24.9
80°	7.1	7.1	7.1	7.1	7.1	10.7	10.7	10.7	14.2	17.8	17.8
82.5°	3.6	3.6	3.6	3.6	3.6	7.1	7.1	7.1	10.7	10.7	10.7
85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	7.1	7.1	7.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212836

CATALOG NUMBER: LD6B50D010TE EU6B30508030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8	3054.8
2.5°	3008.5	3019.2	3019.2	3008.5	2980.1	3005.0	3029.9	3005.0	3037.0	2980.1	2980.1
5°	3008.5	3015.6	3012.1	2997.9	2969.4	2990.7	3008.5	2983.6	3008.5	2955.2	2951.6
7.5°	3015.6	3008.5	3001.4	2983.6	2948.1	2962.3	2980.1	2951.6	2976.5	2919.6	2912.5
10°	3001.4	2990.7	2976.5	2951.6	2912.5	2923.2	2933.8	2908.9	2926.7	2869.8	2866.3
12.5°	3001.4	2983.6	2962.3	2933.8	2891.2	2898.3	2908.9	2876.9	2891.2	2837.8	2830.7
15°	3008.5	2976.5	2951.6	2919.6	2873.4	2876.9	2884.1	2848.5	2862.7	2805.8	2802.3
17.5°	2983.6	2948.1	2923.2	2884.1	2834.3	2837.8	2837.8	2802.3	2812.9	2756.0	2752.5
20°	2930.3	2887.6	2859.2	2823.6	2770.3	2770.3	2770.3	2734.7	2741.8	2692.0	2684.9
22.5°	2855.6	2809.4	2780.9	2745.4	2695.6	2692.0	2688.5	2660.0	2660.0	2613.8	2603.1
25°	2756.0	2713.4	2684.9	2652.9	2603.1	2596.0	2596.0	2571.1	2567.6	2524.9	2517.8
27.5°	2642.2	2592.5	2567.6	2539.1	2492.9	2485.8	2482.2	2468.0	2460.9	2414.6	2411.1
30°	2489.3	2446.6	2425.3	2400.4	2357.7	2350.6	2347.1	2332.8	2329.3	2283.1	2283.1
32.5°	2325.7	2272.4	2258.2	2233.3	2201.3	2197.7	2201.3	2183.5	2169.3	2137.3	2130.1
35°	2130.1	2076.8	2066.1	2055.5	2030.6	2023.5	2019.9	2016.4	1998.6	1977.2	1966.6
37.5°	1902.6	1856.3	1856.3	1852.8	1835.0	1835.0	1835.0	1827.9	1810.1	1803.0	1781.6
40°	1657.2	1621.6	1625.2	1628.7	1621.6	1625.2	1628.7	1621.6	1607.4	1600.3	1582.5
42.5°	1394.0	1376.2	1390.5	1401.1	1401.1	1411.8	1418.9	1418.9	1401.1	1397.6	1383.4
45°	1130.9	1127.3	1155.8	1177.1	1184.2	1202.0	1212.7	1205.5	1205.5	1205.5	1191.3
47.5°	885.5	899.7	924.6	967.3	981.5	1002.8	1010.0	1020.6	1017.1	1020.6	1010.0
50°	672.1	704.1	736.1	778.8	800.1	825.0	835.7	849.9	849.9	853.5	846.4
52.5°	508.5	533.4	586.8	615.2	640.1	665.0	679.2	693.5	697.0	697.0	689.9
55°	377.0	412.5	448.1	487.2	508.5	533.4	544.1	558.3	558.3	565.4	558.3
57.5°	273.8	309.4	348.5	377.0	401.8	419.6	430.3	441.0	448.1	448.1	444.5
60°	202.7	231.2	263.2	291.6	312.9	330.7	337.8	348.5	352.1	352.1	344.9
62.5°	152.9	181.4	209.8	234.7	248.9	263.2	270.3	277.4	277.4	277.4	273.8
65°	124.5	145.8	167.1	188.5	202.7	213.4	216.9	224.0	220.5	224.0	220.5
67.5°	99.6	113.8	131.6	145.8	156.5	163.6	167.1	174.3	170.7	174.3	170.7
70°	74.7	88.9	99.6	110.2	117.4	124.5	128.0	131.6	128.0	131.6	128.0
72.5°	56.9	64.0	74.7	85.3	88.9	92.5	96.0	96.0	96.0	99.6	96.0
75°	39.1	46.2	53.3	56.9	64.0	67.6	67.6	71.1	71.1	71.1	71.1
77.5°	28.4	32.0	35.6	39.1	42.7	46.2	46.2	49.8	49.8	49.8	49.8
80°	17.8	21.3	21.3	24.9	28.4	28.4	32.0	32.0	32.0	32.0	32.0
82.5°	10.7	14.2	14.2	17.8	17.8	17.8	21.3	21.3	21.3	21.3	21.3
85°	7.1	7.1	7.1	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	7.1	7.1	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212836

CATALOG NUMBER: LD6B50D010TE EU6B30508030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3054.8	3054.8	3054.8	3054.8
2.5°	3008.5	2990.7	3019.2	2976.5
5°	2976.5	2958.7	2994.3	2941.0
7.5°	2937.4	2919.6	2951.6	2898.3
10°	2887.6	2869.8	2898.3	2841.4
12.5°	2844.9	2827.2	2859.2	2805.8
15°	2812.9	2795.2	2823.6	2773.8
17.5°	2763.1	2741.8	2773.8	2720.5
20°	2692.0	2677.8	2702.7	2649.3
22.5°	2610.2	2596.0	2624.5	2571.1
25°	2524.9	2507.1	2535.6	2482.2
27.5°	2414.6	2400.4	2428.9	2375.5
30°	2283.1	2268.8	2297.3	2247.5
32.5°	2133.7	2119.5	2140.8	2098.1
35°	1963.0	1952.3	1973.7	1927.4
37.5°	1778.1	1767.4	1788.8	1742.5
40°	1578.9	1568.3	1586.1	1564.7
42.5°	1383.4	1372.7	1390.5	1372.7
45°	1191.3	1184.2	1202.0	1184.2
47.5°	1013.5	1006.4	1024.2	1006.4
50°	842.8	846.4	853.5	846.4
52.5°	689.9	689.9	700.6	689.9
55°	558.3	561.9	565.4	558.3
57.5°	444.5	444.5	448.1	444.5
60°	344.9	348.5	348.5	344.9
62.5°	273.8	273.8	273.8	273.8
65°	216.9	216.9	220.5	216.9
67.5°	170.7	167.1	170.7	167.1
70°	128.0	128.0	128.0	128.0
72.5°	99.6	99.6	96.0	96.0
75°	71.1	74.7	71.1	71.1
77.5°	49.8	49.8	49.8	49.8
80°	32.0	32.0	32.0	32.0
82.5°	21.3	21.3	21.3	21.3
85°	14.2	10.7	10.7	10.7
87.5°	7.1	3.6	3.6	3.6
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)