

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: P212841

Luminaire Tested: **LD6B50D010TE EU6B30509027 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212841
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 EU6B30509027 6LBSWL11
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4195.1 lumens
Efficiency: N/A
Efficacy: 71.4 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

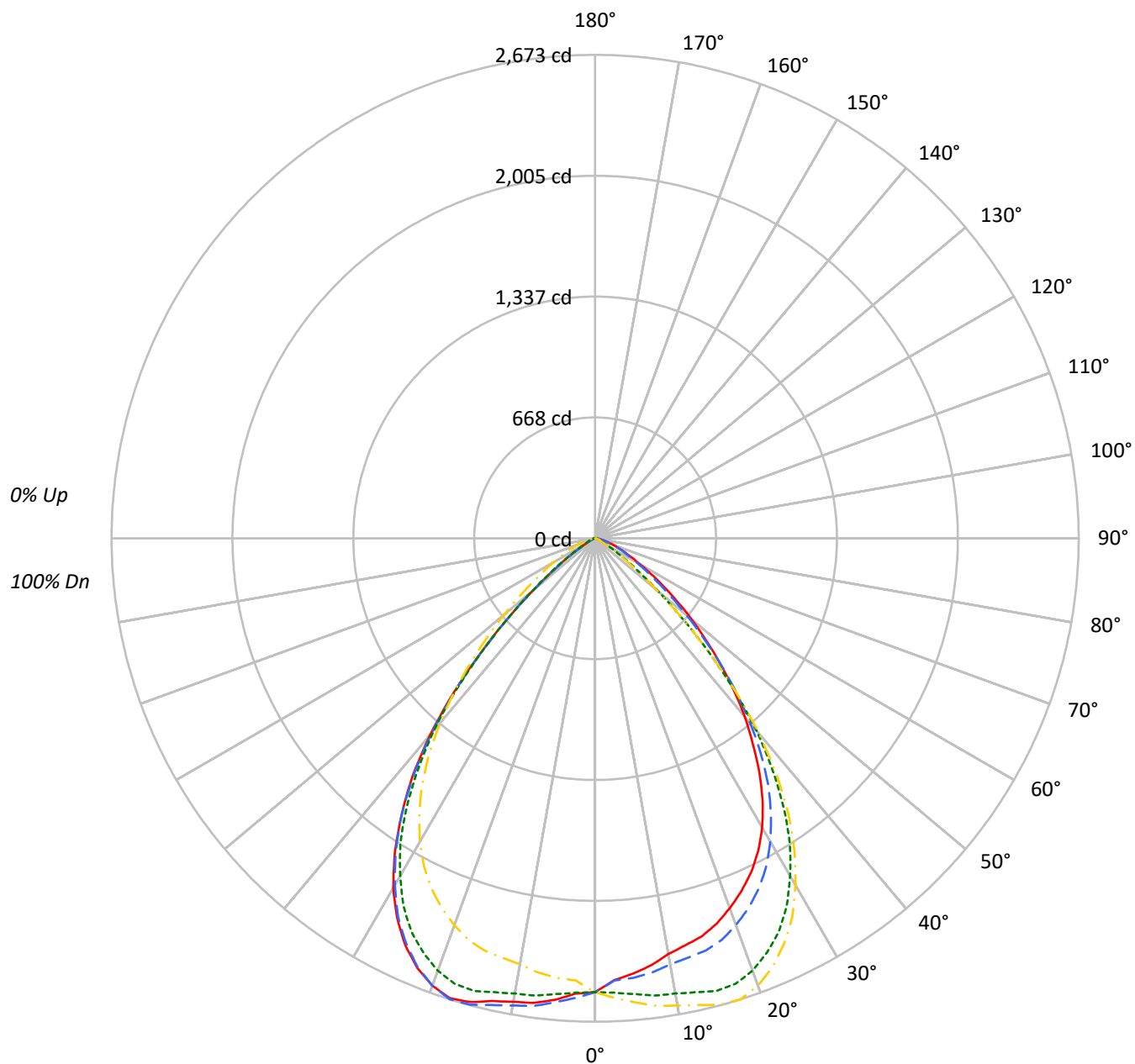
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	70	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°	137549	137549	137549	137549
5°	132935	139203	140969	139203
10°	129919	142276	144876	142276
15°	129308	147044	150693	147044
20°	126950	148425	153535	148425
25°	123328	145236	150178	145236
30°	116860	136458	141262	136458
35°	105953	121593	124912	121593
40°	91972	99086	101590	99086
45°	75411	68387	68844	68387
50°	59290	38361	37619	38361
55°	43831	18981	17032	18981
60°	31061	8322	6085	8322
65°	23115	5305	3788	5305
70°	16862	4215	2805	4215
75°	12370	3092	1864	3092
80°	8303	2778	916	2778
85°	5535	1824	1824	1824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.2	5.7
10°-20°	711.4	17.0
20°-30°	1061.7	25.3
30°-40°	1090.8	26.0
40°-50°	706.3	16.8
50°-60°	262.7	6.3
60°-70°	86.2	2.1
70°-80°	30.4	0.7
80°-90°	5.5	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°	2013.3	48.0
0°-40°	3104.0	74.0
0°-60°	4073.0	97.1
0°-90°	4195.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4195.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2509	2509	2509	2509	2509	
5°	2416	2530	2562	2530	2416	228
15°	2278	2591	2655	2591	2278	641
25°	2039	2401	2483	2401	2039	934
35°	1583	1817	1866	1817	1583	983
45°	973	882	888	882	973	752
55°	459	199	178	199	459	418
65°	178	41	29	41	178	181
75°	58	15	9	15	58	64
85°	9	3	3	3	9	12
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°	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1
2.5°	2444.9	2479.9	2456.6	2471.2	2447.8	2447.8	2494.5	2468.2	2488.7	2468.2	2447.8
5°	2415.7	2459.5	2430.3	2444.9	2424.4	2427.3	2471.2	2450.7	2471.2	2456.6	2439.0
7.5°	2380.6	2424.4	2398.1	2412.7	2392.3	2398.1	2444.9	2424.4	2447.8	2433.2	2421.5
10°	2333.9	2380.6	2357.2	2371.8	2354.3	2357.2	2404.0	2389.4	2409.8	2401.1	2392.3
12.5°	2304.7	2348.5	2322.2	2336.8	2325.1	2331.0	2374.8	2363.1	2389.4	2380.6	2374.8
15°	2278.4	2319.3	2295.9	2310.5	2301.7	2304.7	2351.4	2339.7	2368.9	2363.1	2360.2
17.5°	2234.6	2278.4	2252.1	2269.6	2260.8	2263.8	2310.5	2301.7	2331.0	2331.0	2328.0
20°	2176.1	2220.0	2199.5	2211.2	2205.4	2211.2	2252.1	2246.2	2275.5	2275.5	2275.5
22.5°	2111.9	2155.7	2132.3	2144.0	2138.2	2146.9	2184.9	2184.9	2208.3	2211.2	2214.1
25°	2038.9	2082.7	2059.3	2073.9	2068.1	2073.9	2109.0	2111.9	2132.3	2132.3	2138.2
27.5°	1951.2	1995.0	1971.7	1983.4	1980.4	1983.4	2021.3	2027.2	2038.9	2041.8	2047.6
30°	1846.1	1887.0	1863.6	1875.3	1875.3	1875.3	1913.3	1916.2	1927.9	1930.8	1936.6
32.5°	1723.4	1758.4	1740.9	1752.6	1749.7	1755.5	1781.8	1793.5	1808.1	1805.2	1808.1
35°	1583.2	1621.2	1603.6	1612.4	1615.3	1624.1	1641.6	1656.2	1659.1	1662.0	1667.9
37.5°	1431.3	1469.3	1451.7	1460.5	1463.4	1480.9	1486.8	1501.4	1507.2	1507.2	1507.2
40°	1285.2	1302.8	1288.2	1296.9	1299.8	1314.4	1320.3	1332.0	1337.8	1334.9	1332.0
42.5°	1127.5	1142.1	1127.5	1136.3	1136.3	1148.0	1150.9	1165.5	1165.5	1159.6	1150.9
45°	972.7	987.3	972.7	978.5	978.5	990.2	990.2	990.2	996.1	987.3	972.7
47.5°	826.6	841.2	826.6	832.5	829.6	838.3	835.4	838.3	829.6	823.7	806.2
50°	695.2	701.0	695.2	692.3	695.2	701.0	698.1	698.1	686.4	677.7	657.2
52.5°	566.7	575.4	566.7	566.7	566.7	572.5	572.5	569.6	557.9	546.2	525.8
55°	458.6	464.4	461.5	458.6	458.6	464.4	458.6	458.6	446.9	438.1	417.7
57.5°	365.1	368.0	365.1	365.1	365.1	368.0	368.0	362.2	353.4	344.7	330.1
60°	283.3	286.3	286.3	283.3	283.3	289.2	289.2	286.3	277.5	271.7	257.0
62.5°	224.9	224.9	224.9	224.9	224.9	227.8	227.8	227.8	222.0	216.2	204.5
65°	178.2	181.1	178.2	178.2	181.1	184.0	181.1	184.0	178.2	175.3	166.5
67.5°	137.3	140.2	137.3	140.2	140.2	143.1	140.2	143.1	137.3	134.4	128.5
70°	105.2	105.2	105.2	105.2	105.2	108.1	105.2	108.1	105.2	102.2	96.4
72.5°	78.9	78.9	81.8	81.8	78.9	81.8	78.9	78.9	78.9	75.9	73.0
75°	58.4	58.4	61.3	58.4	58.4	58.4	58.4	58.4	55.5	55.5	52.6
77.5°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	38.0	38.0	35.1
80°	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	23.4	23.4
82.5°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	14.6	14.6
85°	8.8	8.8	8.8	11.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8
87.5°	2.9	2.9	2.9	5.8	2.9	2.9	5.8	5.8	2.9	2.9	2.9
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°	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1
2.5°	2471.2	2479.9	2479.9	2471.2	2491.6	2474.1	2509.1	2477.0	2485.8	2515.0	2512.1
5°	2462.4	2474.1	2477.0	2471.2	2497.5	2482.8	2517.9	2485.8	2500.4	2529.6	2529.6
7.5°	2450.7	2465.3	2471.2	2477.0	2500.4	2485.8	2526.7	2494.5	2515.0	2550.0	2547.1
10°	2424.4	2444.9	2456.6	2465.3	2488.7	2479.9	2523.7	2497.5	2515.0	2555.9	2552.9
12.5°	2409.8	2433.2	2450.7	2465.3	2491.6	2485.8	2529.6	2506.2	2529.6	2570.5	2570.5
15°	2398.1	2424.4	2444.9	2471.2	2497.5	2491.6	2538.3	2517.9	2541.3	2590.9	2588.0
17.5°	2368.9	2401.1	2421.5	2450.7	2477.0	2474.1	2523.7	2509.1	2535.4	2582.2	2585.1
20°	2319.3	2348.5	2371.8	2406.9	2436.1	2430.3	2482.8	2468.2	2494.5	2544.2	2547.1
22.5°	2255.0	2284.2	2307.6	2345.6	2371.8	2368.9	2421.5	2406.9	2433.2	2479.9	2482.8
25°	2179.1	2205.4	2228.7	2263.8	2293.0	2293.0	2339.7	2325.1	2354.3	2401.1	2401.1
27.5°	2085.6	2109.0	2129.4	2170.3	2193.7	2193.7	2237.5	2222.9	2252.1	2293.0	2290.1
30°	1971.7	1992.1	2009.6	2044.7	2065.1	2068.1	2106.0	2091.4	2120.6	2155.7	2155.7
32.5°	1834.4	1854.8	1866.5	1910.3	1924.9	1922.0	1951.2	1936.6	1965.8	2003.8	1995.0
35°	1688.3	1697.1	1705.9	1749.7	1755.5	1743.8	1773.0	1758.4	1778.9	1816.9	1811.0
37.5°	1521.8	1524.8	1524.8	1562.7	1565.7	1556.9	1574.4	1556.9	1571.5	1606.5	1603.6
40°	1337.8	1334.9	1332.0	1361.2	1358.3	1340.7	1352.4	1337.8	1358.3	1384.6	1369.9
42.5°	1150.9	1142.1	1130.4	1145.0	1133.3	1118.7	1124.6	1101.2	1115.8	1136.3	1118.7
45°	966.8	949.3	926.0	928.9	914.3	896.7	888.0	864.6	861.7	882.1	867.5
47.5°	794.5	759.5	739.0	727.3	704.0	689.4	671.8	645.5	633.9	645.5	630.9
50°	639.7	604.6	578.4	552.1	528.7	511.2	482.0	464.4	446.9	449.8	438.1
52.5°	505.3	482.0	438.1	417.7	394.3	373.9	347.6	327.2	306.7	306.7	295.0
55°	400.2	368.0	338.8	309.6	286.3	268.7	242.4	222.0	201.5	198.6	186.9
57.5°	309.6	286.3	254.1	224.9	210.3	192.8	166.5	143.1	131.4	122.7	113.9
60°	239.5	216.2	189.9	166.5	149.0	137.3	111.0	93.5	81.8	75.9	67.2
62.5°	192.8	172.3	149.0	125.6	113.9	102.2	81.8	67.2	55.5	49.7	43.8
65°	154.8	137.3	119.8	102.2	93.5	81.8	67.2	55.5	46.7	40.9	35.1
67.5°	119.8	108.1	93.5	81.8	73.0	64.3	52.6	43.8	38.0	32.1	29.2
70°	90.6	81.8	73.0	61.3	55.5	49.7	40.9	32.1	29.2	26.3	23.4
72.5°	70.1	61.3	52.6	46.7	40.9	38.0	32.1	26.3	23.4	20.4	17.5
75°	46.7	43.8	38.0	32.1	29.2	26.3	23.4	20.4	17.5	14.6	14.6
77.5°	32.1	29.2	26.3	23.4	20.4	20.4	17.5	14.6	11.7	11.7	8.8
80°	20.4	17.5	17.5	14.6	14.6	14.6	11.7	8.8	8.8	8.8	5.8
82.5°	14.6	11.7	11.7	8.8	8.8	8.8	8.8	5.8	5.8	5.8	2.9
85°	8.8	5.8	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9	2.9
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	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°	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1
2.5°	2488.7	2515.0	2515.0	2538.3	2541.3	2535.4	2509.1	2509.1	2544.2	2564.6	2529.6
5°	2512.1	2538.3	2538.3	2561.7	2573.4	2564.6	2538.3	2541.3	2576.3	2599.7	2564.6
7.5°	2532.5	2558.8	2564.6	2590.9	2599.7	2590.9	2564.6	2570.5	2608.4	2628.9	2593.8
10°	2541.3	2567.6	2570.5	2599.7	2611.4	2599.7	2579.2	2582.2	2623.1	2637.7	2605.5
12.5°	2561.7	2588.0	2588.0	2620.1	2631.8	2623.1	2596.8	2602.6	2643.5	2658.1	2626.0
15°	2582.2	2608.4	2608.4	2643.5	2658.1	2646.4	2626.0	2628.9	2669.8	2684.4	2658.1
17.5°	2582.2	2605.5	2605.5	2643.5	2658.1	2649.3	2626.0	2628.9	2672.7	2684.4	2658.1
20°	2544.2	2570.5	2564.6	2602.6	2617.2	2608.4	2588.0	2588.0	2631.8	2643.5	2617.2
22.5°	2482.8	2506.2	2500.4	2535.4	2552.9	2541.3	2523.7	2520.8	2564.6	2576.3	2550.0
25°	2398.1	2421.5	2415.7	2450.7	2468.2	2453.6	2433.2	2436.1	2471.2	2488.7	2465.3
27.5°	2298.8	2313.4	2304.7	2339.7	2357.2	2342.6	2322.2	2325.1	2360.2	2371.8	2354.3
30°	2164.5	2176.1	2167.4	2196.6	2208.3	2199.5	2182.0	2182.0	2214.1	2228.7	2211.2
32.5°	2003.8	2012.6	2003.8	2027.2	2050.5	2033.0	2015.5	2015.5	2050.5	2062.2	2041.8
35°	1816.9	1825.6	1819.8	1843.1	1860.7	1837.3	1822.7	1816.9	1863.6	1857.8	1846.1
37.5°	1609.5	1615.3	1597.8	1638.7	1647.4	1621.2	1609.5	1603.6	1644.5	1641.6	1629.9
40°	1375.8	1381.6	1369.9	1399.2	1402.1	1381.6	1372.9	1364.1	1405.0	1402.1	1393.3
42.5°	1127.5	1130.4	1115.8	1139.2	1145.0	1124.6	1121.7	1110.0	1148.0	1142.1	1139.2
45°	870.5	870.5	858.8	876.3	882.1	864.6	858.8	855.9	882.1	882.1	876.3
47.5°	630.9	622.2	607.6	633.9	636.8	625.1	622.2	613.4	639.7	639.7	633.9
50°	432.3	429.4	426.5	432.3	435.2	420.6	429.4	420.6	435.2	435.2	435.2
52.5°	289.2	286.3	280.4	286.3	286.3	277.5	277.5	274.6	286.3	286.3	280.4
55°	181.1	178.2	175.3	178.2	178.2	169.4	175.3	169.4	175.3	175.3	172.3
57.5°	111.0	105.2	105.2	102.2	102.2	96.4	99.3	99.3	99.3	99.3	99.3
60°	64.3	61.3	58.4	58.4	58.4	55.5	55.5	55.5	55.5	55.5	55.5
62.5°	40.9	40.9	38.0	38.0	38.0	38.0	38.0	35.1	38.0	38.0	38.0
65°	35.1	32.1	32.1	32.1	32.1	29.2	29.2	29.2	29.2	29.2	29.2
67.5°	29.2	26.3	26.3	26.3	26.3	23.4	23.4	23.4	23.4	23.4	23.4
70°	23.4	20.4	20.4	20.4	20.4	20.4	17.5	20.4	20.4	17.5	17.5
72.5°	17.5	17.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
75°	11.7	11.7	11.7	11.7	11.7	8.8	8.8	8.8	8.8	8.8	8.8
77.5°	8.8	8.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
80°	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
85°	2.9	2.9	2.9	2.9	2.9	0.0	2.9	0.0	2.9	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: P212841

CATALOG NUMBER: LD6B50D010TE EU6B30509027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1
2.5°	2570.5	2541.3	2526.7	2555.9	2567.6	2552.9	2541.3	2520.8	2541.3	2552.9	2567.6
5°	2605.5	2579.2	2567.6	2588.0	2605.5	2590.9	2582.2	2561.7	2582.2	2590.9	2605.5
7.5°	2637.7	2611.4	2596.8	2617.2	2637.7	2617.2	2608.4	2590.9	2608.4	2617.2	2637.7
10°	2649.3	2620.1	2608.4	2626.0	2646.4	2626.0	2614.3	2602.6	2614.3	2626.0	2646.4
12.5°	2669.8	2640.6	2626.0	2640.6	2661.0	2640.6	2628.9	2620.1	2628.9	2640.6	2661.0
15°	2699.0	2672.7	2655.2	2669.8	2696.1	2672.7	2658.1	2655.2	2658.1	2672.7	2696.1
17.5°	2699.0	2678.6	2661.0	2672.7	2699.0	2681.5	2661.0	2666.9	2661.0	2681.5	2699.0
20°	2661.0	2640.6	2626.0	2626.0	2663.9	2640.6	2623.1	2631.8	2623.1	2640.6	2663.9
22.5°	2593.8	2576.3	2561.7	2558.8	2596.8	2576.3	2552.9	2570.5	2552.9	2576.3	2596.8
25°	2506.2	2488.7	2477.0	2471.2	2509.1	2485.8	2465.3	2482.8	2465.3	2485.8	2509.1
27.5°	2392.3	2377.7	2366.0	2357.2	2392.3	2371.8	2351.4	2368.9	2351.4	2371.8	2392.3
30°	2246.2	2237.5	2225.8	2214.1	2249.2	2228.7	2208.3	2231.6	2208.3	2228.7	2249.2
32.5°	2076.8	2071.0	2056.4	2044.7	2079.7	2056.4	2041.8	2059.3	2041.8	2056.4	2079.7
35°	1881.1	1872.4	1863.6	1843.1	1881.1	1860.7	1860.7	1866.5	1860.7	1860.7	1881.1
37.5°	1662.0	1656.2	1644.5	1627.0	1659.1	1644.5	1638.7	1656.2	1638.7	1644.5	1659.1
40°	1416.7	1413.8	1405.0	1384.6	1419.6	1405.0	1396.2	1419.6	1396.2	1405.0	1419.6
42.5°	1159.6	1153.8	1145.0	1142.1	1159.6	1148.0	1156.7	1156.7	1156.7	1148.0	1159.6
45°	893.8	888.0	882.1	870.5	890.9	885.1	882.1	888.0	882.1	885.1	890.9
47.5°	648.5	642.6	636.8	628.0	648.5	639.7	639.7	645.5	639.7	639.7	648.5
50°	435.2	438.1	435.2	429.4	435.2	432.3	435.2	441.1	435.2	432.3	435.2
52.5°	289.2	289.2	283.3	280.4	286.3	283.3	292.1	286.3	292.1	283.3	286.3
55°	175.3	178.2	175.3	172.3	175.3	172.3	181.1	178.2	181.1	172.3	175.3
57.5°	99.3	99.3	102.2	99.3	105.2	102.2	102.2	102.2	102.2	102.2	105.2
60°	55.5	55.5	55.5	55.5	55.5	55.5	58.4	55.5	58.4	55.5	55.5
62.5°	38.0	38.0	38.0	35.1	38.0	35.1	38.0	38.0	38.0	35.1	38.0
65°	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
67.5°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
70°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
72.5°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
75°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
77.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	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: P212841

CATALOG NUMBER: LD6B50D010TE EU6B30509027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1
2.5°	2555.9	2526.7	2541.3	2570.5	2529.6	2564.6	2544.2	2509.1	2509.1	2535.4	2541.3
5°	2588.0	2567.6	2579.2	2605.5	2564.6	2599.7	2576.3	2541.3	2538.3	2564.6	2573.4
7.5°	2617.2	2596.8	2611.4	2637.7	2593.8	2628.9	2608.4	2570.5	2564.6	2590.9	2599.7
10°	2626.0	2608.4	2620.1	2649.3	2605.5	2637.7	2623.1	2582.2	2579.2	2599.7	2611.4
12.5°	2640.6	2626.0	2640.6	2669.8	2626.0	2658.1	2643.5	2602.6	2596.8	2623.1	2631.8
15°	2669.8	2655.2	2672.7	2699.0	2658.1	2684.4	2669.8	2628.9	2626.0	2646.4	2658.1
17.5°	2672.7	2661.0	2678.6	2699.0	2658.1	2684.4	2672.7	2628.9	2626.0	2649.3	2658.1
20°	2626.0	2626.0	2640.6	2661.0	2617.2	2643.5	2631.8	2588.0	2588.0	2608.4	2617.2
22.5°	2558.8	2561.7	2576.3	2593.8	2550.0	2576.3	2564.6	2520.8	2523.7	2541.3	2552.9
25°	2471.2	2477.0	2488.7	2506.2	2465.3	2488.7	2471.2	2436.1	2433.2	2453.6	2468.2
27.5°	2357.2	2366.0	2377.7	2392.3	2354.3	2371.8	2360.2	2325.1	2322.2	2342.6	2357.2
30°	2214.1	2225.8	2237.5	2246.2	2211.2	2228.7	2214.1	2182.0	2182.0	2199.5	2208.3
32.5°	2044.7	2056.4	2071.0	2076.8	2041.8	2062.2	2050.5	2015.5	2015.5	2033.0	2050.5
35°	1843.1	1863.6	1872.4	1881.1	1846.1	1857.8	1863.6	1816.9	1822.7	1837.3	1860.7
37.5°	1627.0	1644.5	1656.2	1662.0	1629.9	1641.6	1644.5	1603.6	1609.5	1621.2	1647.4
40°	1384.6	1405.0	1413.8	1416.7	1393.3	1402.1	1405.0	1364.1	1372.9	1381.6	1402.1
42.5°	1142.1	1145.0	1153.8	1159.6	1139.2	1142.1	1148.0	1110.0	1121.7	1124.6	1145.0
45°	870.5	882.1	888.0	893.8	876.3	882.1	882.1	855.9	858.8	864.6	882.1
47.5°	628.0	636.8	642.6	648.5	633.9	639.7	639.7	613.4	622.2	625.1	636.8
50°	429.4	435.2	438.1	435.2	435.2	435.2	435.2	420.6	429.4	420.6	435.2
52.5°	280.4	283.3	289.2	289.2	280.4	286.3	286.3	274.6	277.5	277.5	286.3
55°	172.3	175.3	178.2	175.3	172.3	175.3	175.3	169.4	175.3	169.4	178.2
57.5°	99.3	102.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	96.4	102.2
60°	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	58.4
62.5°	35.1	38.0	38.0	38.0	38.0	38.0	38.0	35.1	38.0	38.0	38.0
65°	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	32.1
67.5°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	26.3
70°	17.5	17.5	17.5	17.5	17.5	17.5	20.4	20.4	17.5	20.4	20.4
72.5°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
75°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	11.7
77.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.8
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	0.0	2.9
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: P212841

CATALOG NUMBER: LD6B50D010TE EU6B30509027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1
2.5°	2538.3	2515.0	2515.0	2488.7	2512.1	2515.0	2485.8	2477.0	2509.1	2474.1	2491.6
5°	2561.7	2538.3	2538.3	2512.1	2529.6	2529.6	2500.4	2485.8	2517.9	2482.8	2497.5
7.5°	2590.9	2564.6	2558.8	2532.5	2547.1	2550.0	2515.0	2494.5	2526.7	2485.8	2500.4
10°	2599.7	2570.5	2567.6	2541.3	2552.9	2555.9	2515.0	2497.5	2523.7	2479.9	2488.7
12.5°	2620.1	2588.0	2588.0	2561.7	2570.5	2570.5	2529.6	2506.2	2529.6	2485.8	2491.6
15°	2643.5	2608.4	2608.4	2582.2	2588.0	2590.9	2541.3	2517.9	2538.3	2491.6	2497.5
17.5°	2643.5	2605.5	2605.5	2582.2	2585.1	2582.2	2535.4	2509.1	2523.7	2474.1	2477.0
20°	2602.6	2564.6	2570.5	2544.2	2547.1	2544.2	2494.5	2468.2	2482.8	2430.3	2436.1
22.5°	2535.4	2500.4	2506.2	2482.8	2482.8	2479.9	2433.2	2406.9	2421.5	2368.9	2371.8
25°	2450.7	2415.7	2421.5	2398.1	2401.1	2401.1	2354.3	2325.1	2339.7	2293.0	2293.0
27.5°	2339.7	2304.7	2313.4	2298.8	2290.1	2293.0	2252.1	2222.9	2237.5	2193.7	2193.7
30°	2196.6	2167.4	2176.1	2164.5	2155.7	2155.7	2120.6	2091.4	2106.0	2068.1	2065.1
32.5°	2027.2	2003.8	2012.6	2003.8	1995.0	2003.8	1965.8	1936.6	1951.2	1922.0	1924.9
35°	1843.1	1819.8	1825.6	1816.9	1811.0	1816.9	1778.9	1758.4	1773.0	1743.8	1755.5
37.5°	1638.7	1597.8	1615.3	1609.5	1603.6	1606.5	1571.5	1556.9	1574.4	1556.9	1565.7
40°	1399.2	1369.9	1381.6	1375.8	1369.9	1384.6	1358.3	1337.8	1352.4	1340.7	1358.3
42.5°	1139.2	1115.8	1130.4	1127.5	1118.7	1136.3	1115.8	1101.2	1124.6	1118.7	1133.3
45°	876.3	858.8	870.5	870.5	867.5	882.1	861.7	864.6	888.0	896.7	914.3
47.5°	633.9	607.6	622.2	630.9	630.9	645.5	633.9	645.5	671.8	689.4	704.0
50°	432.3	426.5	429.4	432.3	438.1	449.8	446.9	464.4	482.0	511.2	528.7
52.5°	286.3	280.4	286.3	289.2	295.0	306.7	306.7	327.2	347.6	373.9	394.3
55°	178.2	175.3	178.2	181.1	186.9	198.6	201.5	222.0	242.4	268.7	286.3
57.5°	102.2	105.2	105.2	111.0	113.9	122.7	131.4	143.1	166.5	192.8	210.3
60°	58.4	58.4	61.3	64.3	67.2	75.9	81.8	93.5	111.0	137.3	149.0
62.5°	38.0	38.0	40.9	40.9	43.8	49.7	55.5	67.2	81.8	102.2	113.9
65°	32.1	32.1	32.1	35.1	35.1	40.9	46.7	55.5	67.2	81.8	93.5
67.5°	26.3	26.3	26.3	29.2	29.2	32.1	38.0	43.8	52.6	64.3	73.0
70°	20.4	20.4	20.4	23.4	23.4	26.3	29.2	32.1	40.9	49.7	55.5
72.5°	14.6	14.6	17.5	17.5	17.5	20.4	23.4	26.3	32.1	38.0	40.9
75°	11.7	11.7	11.7	11.7	14.6	14.6	17.5	20.4	23.4	26.3	29.2
77.5°	5.8	5.8	8.8	8.8	8.8	11.7	11.7	14.6	17.5	20.4	20.4
80°	5.8	5.8	5.8	5.8	5.8	8.8	8.8	8.8	11.7	14.6	14.6
82.5°	2.9	2.9	2.9	2.9	2.9	5.8	5.8	5.8	8.8	8.8	8.8
85°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.8	5.8	5.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9
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: P212841

CATALOG NUMBER: LD6B50D010TE EU6B30509027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1	2509.1
2.5°	2471.2	2479.9	2479.9	2471.2	2447.8	2468.2	2488.7	2468.2	2494.5	2447.8	2447.8
5°	2471.2	2477.0	2474.1	2462.4	2439.0	2456.6	2471.2	2450.7	2471.2	2427.3	2424.4
7.5°	2477.0	2471.2	2465.3	2450.7	2421.5	2433.2	2447.8	2424.4	2444.9	2398.1	2392.3
10°	2465.3	2456.6	2444.9	2424.4	2392.3	2401.1	2409.8	2389.4	2404.0	2357.2	2354.3
12.5°	2465.3	2450.7	2433.2	2409.8	2374.8	2380.6	2389.4	2363.1	2374.8	2331.0	2325.1
15°	2471.2	2444.9	2424.4	2398.1	2360.2	2363.1	2368.9	2339.7	2351.4	2304.7	2301.7
17.5°	2450.7	2421.5	2401.1	2368.9	2328.0	2331.0	2331.0	2301.7	2310.5	2263.8	2260.8
20°	2406.9	2371.8	2348.5	2319.3	2275.5	2275.5	2275.5	2246.2	2252.1	2211.2	2205.4
22.5°	2345.6	2307.6	2284.2	2255.0	2214.1	2211.2	2208.3	2184.9	2184.9	2146.9	2138.2
25°	2263.8	2228.7	2205.4	2179.1	2138.2	2132.3	2132.3	2111.9	2109.0	2073.9	2068.1
27.5°	2170.3	2129.4	2109.0	2085.6	2047.6	2041.8	2038.9	2027.2	2021.3	1983.4	1980.4
30°	2044.7	2009.6	1992.1	1971.7	1936.6	1930.8	1927.9	1916.2	1913.3	1875.3	1875.3
32.5°	1910.3	1866.5	1854.8	1834.4	1808.1	1805.2	1808.1	1793.5	1781.8	1755.5	1749.7
35°	1749.7	1705.9	1697.1	1688.3	1667.9	1662.0	1659.1	1656.2	1641.6	1624.1	1615.3
37.5°	1562.7	1524.8	1524.8	1521.8	1507.2	1507.2	1507.2	1501.4	1486.8	1480.9	1463.4
40°	1361.2	1332.0	1334.9	1337.8	1332.0	1334.9	1337.8	1332.0	1320.3	1314.4	1299.8
42.5°	1145.0	1130.4	1142.1	1150.9	1150.9	1159.6	1165.5	1165.5	1150.9	1148.0	1136.3
45°	928.9	926.0	949.3	966.8	972.7	987.3	996.1	990.2	990.2	990.2	978.5
47.5°	727.3	739.0	759.5	794.5	806.2	823.7	829.6	838.3	835.4	838.3	829.6
50°	552.1	578.4	604.6	639.7	657.2	677.7	686.4	698.1	698.1	701.0	695.2
52.5°	417.7	438.1	482.0	505.3	525.8	546.2	557.9	569.6	572.5	572.5	566.7
55°	309.6	338.8	368.0	400.2	417.7	438.1	446.9	458.6	458.6	464.4	458.6
57.5°	224.9	254.1	286.3	309.6	330.1	344.7	353.4	362.2	368.0	368.0	365.1
60°	166.5	189.9	216.2	239.5	257.0	271.7	277.5	286.3	289.2	289.2	283.3
62.5°	125.6	149.0	172.3	192.8	204.5	216.2	222.0	227.8	227.8	227.8	224.9
65°	102.2	119.8	137.3	154.8	166.5	175.3	178.2	184.0	181.1	184.0	181.1
67.5°	81.8	93.5	108.1	119.8	128.5	134.4	137.3	143.1	140.2	143.1	140.2
70°	61.3	73.0	81.8	90.6	96.4	102.2	105.2	108.1	105.2	108.1	105.2
72.5°	46.7	52.6	61.3	70.1	73.0	75.9	78.9	78.9	78.9	81.8	78.9
75°	32.1	38.0	43.8	46.7	52.6	55.5	55.5	58.4	58.4	58.4	58.4
77.5°	23.4	26.3	29.2	32.1	35.1	38.0	38.0	40.9	40.9	40.9	40.9
80°	14.6	17.5	17.5	20.4	23.4	23.4	26.3	26.3	26.3	26.3	26.3
82.5°	8.8	11.7	11.7	14.6	14.6	14.6	17.5	17.5	17.5	17.5	17.5
85°	5.8	5.8	5.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.8	5.8	2.9	2.9
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: P212841

CATALOG NUMBER: LD6B50D010TE EU6B30509027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2509.1	2509.1	2509.1	2509.1
2.5°	2471.2	2456.6	2479.9	2444.9
5°	2444.9	2430.3	2459.5	2415.7
7.5°	2412.7	2398.1	2424.4	2380.6
10°	2371.8	2357.2	2380.6	2333.9
12.5°	2336.8	2322.2	2348.5	2304.7
15°	2310.5	2295.9	2319.3	2278.4
17.5°	2269.6	2252.1	2278.4	2234.6
20°	2211.2	2199.5	2220.0	2176.1
22.5°	2144.0	2132.3	2155.7	2111.9
25°	2073.9	2059.3	2082.7	2038.9
27.5°	1983.4	1971.7	1995.0	1951.2
30°	1875.3	1863.6	1887.0	1846.1
32.5°	1752.6	1740.9	1758.4	1723.4
35°	1612.4	1603.6	1621.2	1583.2
37.5°	1460.5	1451.7	1469.3	1431.3
40°	1296.9	1288.2	1302.8	1285.2
42.5°	1136.3	1127.5	1142.1	1127.5
45°	978.5	972.7	987.3	972.7
47.5°	832.5	826.6	841.2	826.6
50°	692.3	695.2	701.0	695.2
52.5°	566.7	566.7	575.4	566.7
55°	458.6	461.5	464.4	458.6
57.5°	365.1	365.1	368.0	365.1
60°	283.3	286.3	286.3	283.3
62.5°	224.9	224.9	224.9	224.9
65°	178.2	178.2	181.1	178.2
67.5°	140.2	137.3	140.2	137.3
70°	105.2	105.2	105.2	105.2
72.5°	81.8	81.8	78.9	78.9
75°	58.4	61.3	58.4	58.4
77.5°	40.9	40.9	40.9	40.9
80°	26.3	26.3	26.3	26.3
82.5°	17.5	17.5	17.5	17.5
85°	11.7	8.8	8.8	8.8
87.5°	5.8	2.9	2.9	2.9
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)