

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: P212826

Luminaire Tested: **LD6B40D010 EU6B30508050 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212826
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: LD6B40D010 EU6B30508050 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4132.6 lumens
Efficiency: N/A
Efficacy: 96.1 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

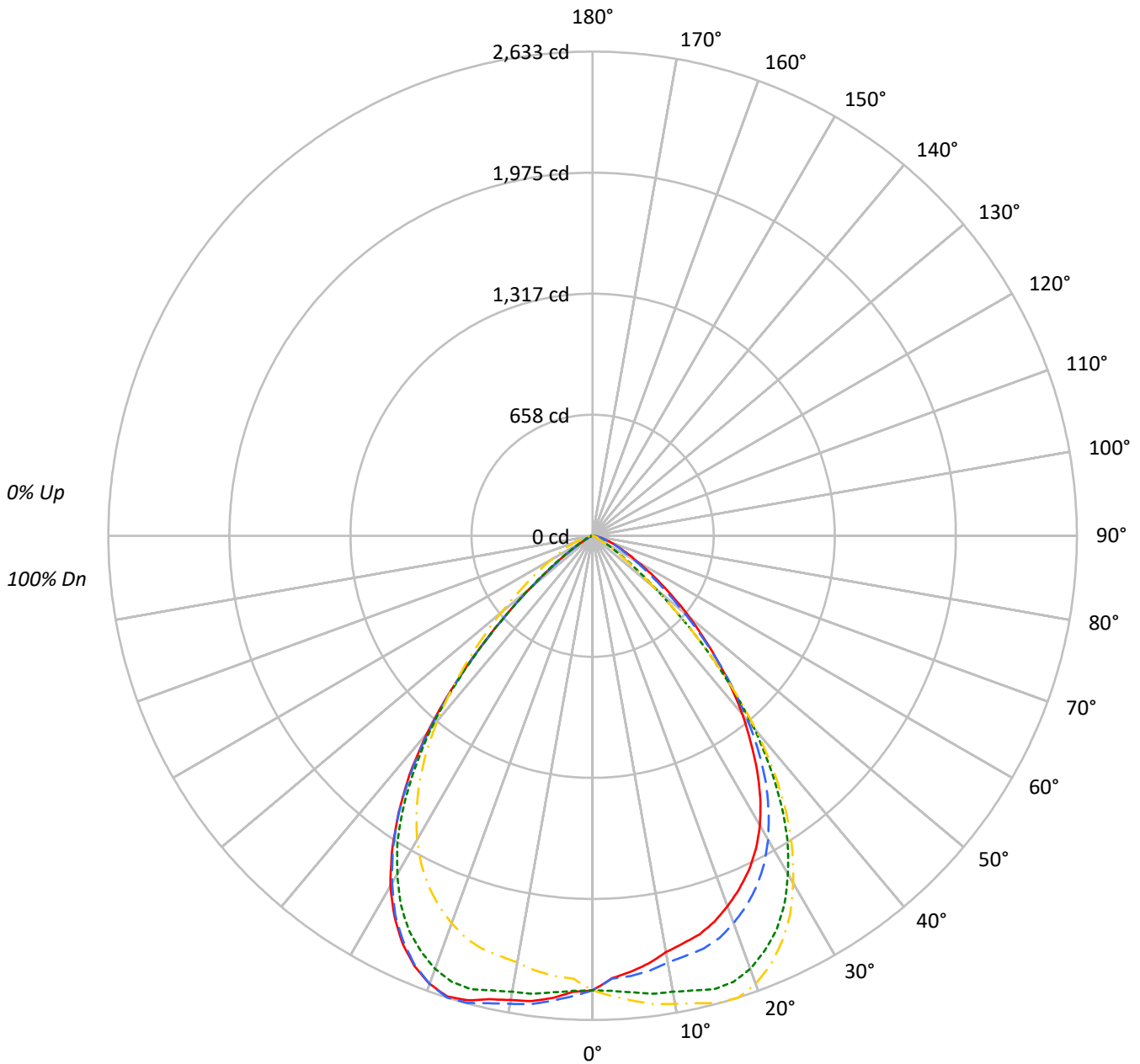
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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°	135504	135504	135504	135504
5°	130954	137128	138873	137128
10°	127981	140155	142716	140155
15°	127379	144853	148446	144853
20°	125060	146214	151248	146214
25°	121489	143071	147946	143071
30°	115119	134426	139161	134426
35°	104373	119779	123051	119779
40°	90605	97604	100080	97604
45°	74287	67371	67821	67371
50°	58403	37790	37056	37790
55°	43181	18704	16774	18704
60°	30601	8201	5997	8201
65°	22765	5228	3736	5228
70°	16605	4151	2773	4151
75°	12179	3050	1822	3050
80°	8177	2715	916	2715
85°	5409	1824	1824	1824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.6	5.7
10°-20°	700.8	17.0
20°-30°	1045.8	25.3
30°-40°	1074.5	26.0
40°-50°	695.8	16.8
50°-60°	258.7	6.3
60°-70°	84.9	2.1
70°-80°	30.0	0.7
80°-90°	5.4	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°	1983.3	48.0
0°-40°	3057.8	74.0
0°-60°	4012.4	97.1
0°-90°	4132.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4132.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2472	2472	2472	2472	2472	
5°	2380	2492	2524	2492	2380	225
15°	2244	2552	2616	2552	2244	631
25°	2008	2365	2446	2365	2008	920
35°	1560	1790	1839	1790	1560	968
45°	958	869	875	869	958	741
55°	452	196	176	196	452	412
65°	176	40	29	40	176	178
75°	58	14	9	14	58	63
85°	9	3	3	3	9	11
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°	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8
2.5°	2408.5	2443.0	2420.0	2434.4	2411.3	2411.3	2457.4	2431.5	2451.6	2431.5	2411.3
5°	2379.7	2422.8	2394.1	2408.5	2388.3	2391.2	2434.4	2414.2	2434.4	2420.0	2402.7
7.5°	2345.2	2388.3	2362.4	2376.8	2356.7	2362.4	2408.5	2388.3	2411.3	2396.9	2385.4
10°	2299.1	2345.2	2322.1	2336.5	2319.3	2322.1	2368.2	2353.8	2373.9	2365.3	2356.7
12.5°	2270.3	2313.5	2287.6	2302.0	2290.5	2296.2	2339.4	2327.9	2353.8	2345.2	2339.4
15°	2244.4	2284.7	2261.7	2276.1	2267.5	2270.3	2316.4	2304.9	2333.6	2327.9	2325.0
17.5°	2201.3	2244.4	2218.5	2235.8	2227.2	2230.1	2276.1	2267.5	2296.2	2296.2	2293.4
20°	2143.7	2186.9	2166.7	2178.3	2172.5	2178.3	2218.5	2212.8	2241.6	2241.6	2241.6
22.5°	2080.4	2123.6	2100.6	2112.1	2106.3	2115.0	2152.4	2152.4	2175.4	2178.3	2181.1
25°	2008.5	2051.7	2028.6	2043.0	2037.3	2043.0	2077.5	2080.4	2100.6	2100.6	2106.3
27.5°	1922.2	1965.3	1942.3	1953.8	1950.9	1953.8	1991.2	1997.0	2008.5	2011.4	2017.1
30°	1818.6	1858.9	1835.8	1847.3	1847.3	1847.3	1884.8	1887.6	1899.1	1902.0	1907.8
32.5°	1697.7	1732.2	1715.0	1726.5	1723.6	1729.4	1755.3	1766.8	1781.2	1778.3	1781.2
35°	1559.6	1597.0	1579.7	1588.4	1591.3	1599.9	1617.1	1631.5	1634.4	1637.3	1643.0
37.5°	1410.0	1447.4	1430.1	1438.7	1441.6	1458.9	1464.6	1479.0	1484.8	1484.8	1484.8
40°	1266.1	1283.4	1269.0	1277.6	1280.5	1294.9	1300.6	1312.1	1317.9	1315.0	1312.1
42.5°	1110.7	1125.1	1110.7	1119.3	1119.3	1130.9	1133.7	1148.1	1148.1	1142.4	1133.7
45°	958.2	972.6	958.2	964.0	964.0	975.5	975.5	975.5	981.2	972.6	958.2
47.5°	814.3	828.7	814.3	820.1	817.2	825.8	823.0	825.8	817.2	811.5	794.2
50°	684.8	690.6	684.8	682.0	684.8	690.6	687.7	687.7	676.2	667.6	647.4
52.5°	558.2	566.9	558.2	558.2	558.2	564.0	564.0	561.1	549.6	538.1	517.9
55°	451.8	457.5	454.6	451.8	451.8	457.5	451.8	451.8	440.3	431.6	411.5
57.5°	359.7	362.6	359.7	359.7	359.7	362.6	362.6	356.8	348.2	339.5	325.2
60°	279.1	282.0	282.0	279.1	279.1	284.9	284.9	282.0	273.4	267.6	253.2
62.5°	221.6	221.6	221.6	221.6	221.6	224.4	224.4	224.4	218.7	212.9	201.4
65°	175.5	178.4	175.5	175.5	178.4	181.3	178.4	181.3	175.5	172.6	164.0
67.5°	135.2	138.1	135.2	138.1	138.1	141.0	138.1	141.0	135.2	132.4	126.6
70°	103.6	103.6	103.6	103.6	103.6	106.5	103.6	106.5	103.6	100.7	95.0
72.5°	77.7	77.7	80.6	80.6	77.7	80.6	77.7	77.7	77.7	74.8	71.9
75°	57.5	57.5	60.4	57.5	57.5	57.5	57.5	57.5	54.7	54.7	51.8
77.5°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	37.4	37.4	34.5
80°	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	23.0	23.0
82.5°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	14.4	14.4
85°	8.6	8.6	8.6	11.5	8.6	8.6	8.6	8.6	8.6	8.6	8.6
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°	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8
2.5°	2434.4	2443.0	2443.0	2434.4	2454.5	2437.2	2471.8	2440.1	2448.7	2477.5	2474.6
5°	2425.7	2437.2	2440.1	2434.4	2460.3	2445.9	2480.4	2448.7	2463.1	2491.9	2491.9
7.5°	2414.2	2428.6	2434.4	2440.1	2463.1	2448.7	2489.0	2457.4	2477.5	2512.0	2509.2
10°	2388.3	2408.5	2420.0	2428.6	2451.6	2443.0	2486.2	2460.3	2477.5	2517.8	2514.9
12.5°	2373.9	2396.9	2414.2	2428.6	2454.5	2448.7	2491.9	2468.9	2491.9	2532.2	2532.2
15°	2362.4	2388.3	2408.5	2434.4	2460.3	2454.5	2500.5	2480.4	2503.4	2552.3	2549.5
17.5°	2333.6	2365.3	2385.4	2414.2	2440.1	2437.2	2486.2	2471.8	2497.7	2543.7	2546.6
20°	2284.7	2313.5	2336.5	2371.1	2399.8	2394.1	2445.9	2431.5	2457.4	2506.3	2509.2
22.5°	2221.4	2250.2	2273.2	2310.6	2336.5	2333.6	2385.4	2371.1	2396.9	2443.0	2445.9
25°	2146.6	2172.5	2195.5	2230.1	2258.8	2258.8	2304.9	2290.5	2319.3	2365.3	2365.3
27.5°	2054.5	2077.5	2097.7	2138.0	2161.0	2161.0	2204.2	2189.8	2218.5	2258.8	2256.0
30°	1942.3	1962.4	1979.7	2014.2	2034.4	2037.3	2074.7	2060.3	2089.1	2123.6	2123.6
32.5°	1807.1	1827.2	1838.7	1881.9	1896.3	1893.4	1922.2	1907.8	1936.6	1974.0	1965.3
35°	1663.2	1671.8	1680.5	1723.6	1729.4	1717.9	1746.6	1732.2	1752.4	1789.8	1784.0
37.5°	1499.2	1502.0	1502.0	1539.5	1542.3	1533.7	1551.0	1533.7	1548.1	1582.6	1579.7
40°	1317.9	1315.0	1312.1	1340.9	1338.0	1320.8	1332.3	1317.9	1338.0	1363.9	1349.5
42.5°	1133.7	1125.1	1113.6	1128.0	1116.5	1102.1	1107.8	1084.8	1099.2	1119.3	1102.1
45°	952.4	935.2	912.2	915.0	900.7	883.4	874.8	851.7	848.9	869.0	854.6
47.5°	782.7	748.1	728.0	716.5	693.5	679.1	661.8	635.9	624.4	635.9	621.5
50°	630.2	595.6	569.7	543.8	520.8	503.6	474.8	457.5	440.3	443.1	431.6
52.5°	497.8	474.8	431.6	411.5	388.5	368.3	342.4	322.3	302.1	302.1	290.6
55°	394.2	362.6	333.8	305.0	282.0	264.7	238.8	218.7	198.5	195.7	184.2
57.5°	305.0	282.0	250.3	221.6	207.2	189.9	164.0	141.0	129.5	120.9	112.2
60°	236.0	212.9	187.0	164.0	146.8	135.2	109.3	92.1	80.6	74.8	66.2
62.5°	189.9	169.8	146.8	123.7	112.2	100.7	80.6	66.2	54.7	48.9	43.2
65°	152.5	135.2	118.0	100.7	92.1	80.6	66.2	54.7	46.0	40.3	34.5
67.5°	118.0	106.5	92.1	80.6	71.9	63.3	51.8	43.2	37.4	31.7	28.8
70°	89.2	80.6	71.9	60.4	54.7	48.9	40.3	31.7	28.8	25.9	23.0
72.5°	69.1	60.4	51.8	46.0	40.3	37.4	31.7	25.9	23.0	20.1	17.3
75°	46.0	43.2	37.4	31.7	28.8	25.9	23.0	20.1	17.3	14.4	14.4
77.5°	31.7	28.8	25.9	23.0	20.1	20.1	17.3	14.4	11.5	11.5	8.6
80°	20.1	17.3	17.3	14.4	14.4	14.4	11.5	8.6	8.6	8.6	5.8
82.5°	14.4	11.5	11.5	8.6	8.6	8.6	8.6	5.8	5.8	5.8	2.9
85°	8.6	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°	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8
2.5°	2451.6	2477.5	2477.5	2500.5	2503.4	2497.7	2471.8	2471.8	2506.3	2526.4	2491.9
5°	2474.6	2500.5	2500.5	2523.6	2535.1	2526.4	2500.5	2503.4	2537.9	2561.0	2526.4
7.5°	2494.8	2520.7	2526.4	2552.3	2561.0	2552.3	2526.4	2532.2	2569.6	2589.7	2555.2
10°	2503.4	2529.3	2532.2	2561.0	2572.5	2561.0	2540.8	2543.7	2584.0	2598.4	2566.7
12.5°	2523.6	2549.5	2549.5	2581.1	2592.6	2584.0	2558.1	2563.8	2604.1	2618.5	2586.9
15°	2543.7	2569.6	2569.6	2604.1	2618.5	2607.0	2586.9	2589.7	2630.0	2644.4	2618.5
17.5°	2543.7	2566.7	2566.7	2604.1	2618.5	2609.9	2586.9	2589.7	2632.9	2644.4	2618.5
20°	2506.3	2532.2	2526.4	2563.8	2578.2	2569.6	2549.5	2549.5	2592.6	2604.1	2578.2
22.5°	2445.9	2468.9	2463.1	2497.7	2514.9	2503.4	2486.2	2483.3	2526.4	2537.9	2512.0
25°	2362.4	2385.4	2379.7	2414.2	2431.5	2417.1	2396.9	2399.8	2434.4	2451.6	2428.6
27.5°	2264.6	2279.0	2270.3	2304.9	2322.1	2307.7	2287.6	2290.5	2325.0	2336.5	2319.3
30°	2132.2	2143.7	2135.1	2163.9	2175.4	2166.7	2149.5	2149.5	2181.1	2195.5	2178.3
32.5°	1974.0	1982.6	1974.0	1997.0	2020.0	2002.7	1985.5	1985.5	2020.0	2031.5	2011.4
35°	1789.8	1798.4	1792.7	1815.7	1833.0	1809.9	1795.6	1789.8	1835.8	1830.1	1818.6
37.5°	1585.5	1591.3	1574.0	1614.3	1622.9	1597.0	1585.5	1579.7	1620.0	1617.1	1605.6
40°	1355.3	1361.1	1349.5	1378.3	1381.2	1361.1	1352.4	1343.8	1384.1	1381.2	1372.6
42.5°	1110.7	1113.6	1099.2	1122.2	1128.0	1107.8	1105.0	1093.4	1130.9	1125.1	1122.2
45°	857.5	857.5	846.0	863.2	869.0	851.7	846.0	843.1	869.0	869.0	863.2
47.5°	621.5	612.9	598.5	624.4	627.3	615.8	612.9	604.3	630.2	630.2	624.4
50°	425.9	423.0	420.1	425.9	428.7	414.4	423.0	414.4	428.7	428.7	428.7
52.5°	284.9	282.0	276.2	282.0	282.0	273.4	273.4	270.5	282.0	282.0	276.2
55°	178.4	175.5	172.6	175.5	175.5	166.9	172.6	166.9	172.6	172.6	169.8
57.5°	109.3	103.6	103.6	100.7	100.7	95.0	97.8	97.8	97.8	97.8	97.8
60°	63.3	60.4	57.5	57.5	57.5	54.7	54.7	54.7	54.7	54.7	54.7
62.5°	40.3	40.3	37.4	37.4	37.4	37.4	37.4	34.5	37.4	37.4	37.4
65°	34.5	31.7	31.7	31.7	31.7	28.8	28.8	28.8	28.8	28.8	28.8
67.5°	28.8	25.9	25.9	25.9	25.9	23.0	23.0	23.0	23.0	23.0	23.0
70°	23.0	20.1	20.1	20.1	20.1	20.1	17.3	20.1	20.1	17.3	17.3
72.5°	17.3	17.3	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
75°	11.5	11.5	11.5	11.5	11.5	8.6	8.6	8.6	8.6	8.6	8.6
77.5°	8.6	8.6	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: P212826

CATALOG NUMBER: LD6B40D010 EU6B30508050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8
2.5°	2532.2	2503.4	2489.0	2517.8	2529.3	2514.9	2503.4	2483.3	2503.4	2514.9	2529.3
5°	2566.7	2540.8	2529.3	2549.5	2566.7	2552.3	2543.7	2523.6	2543.7	2552.3	2566.7
7.5°	2598.4	2572.5	2558.1	2578.2	2598.4	2578.2	2569.6	2552.3	2569.6	2578.2	2598.4
10°	2609.9	2581.1	2569.6	2586.9	2607.0	2586.9	2575.4	2563.8	2575.4	2586.9	2607.0
12.5°	2630.0	2601.3	2586.9	2601.3	2621.4	2601.3	2589.7	2581.1	2589.7	2601.3	2621.4
15°	2658.8	2632.9	2615.6	2630.0	2655.9	2632.9	2618.5	2615.6	2618.5	2632.9	2655.9
17.5°	2658.8	2638.7	2621.4	2632.9	2658.8	2641.5	2621.4	2627.1	2621.4	2641.5	2658.8
20°	2621.4	2601.3	2586.9	2586.9	2624.3	2601.3	2584.0	2592.6	2584.0	2601.3	2624.3
22.5°	2555.2	2537.9	2523.6	2520.7	2558.1	2537.9	2514.9	2532.2	2514.9	2537.9	2558.1
25°	2468.9	2451.6	2440.1	2434.4	2471.8	2448.7	2428.6	2445.9	2428.6	2448.7	2471.8
27.5°	2356.7	2342.3	2330.8	2322.1	2356.7	2336.5	2316.4	2333.6	2316.4	2336.5	2356.7
30°	2212.8	2204.2	2192.6	2181.1	2215.7	2195.5	2175.4	2198.4	2175.4	2195.5	2215.7
32.5°	2045.9	2040.1	2025.8	2014.2	2048.8	2025.8	2011.4	2028.6	2011.4	2025.8	2048.8
35°	1853.1	1844.5	1835.8	1815.7	1853.1	1833.0	1833.0	1838.7	1833.0	1833.0	1853.1
37.5°	1637.3	1631.5	1620.0	1602.8	1634.4	1620.0	1614.3	1631.5	1614.3	1620.0	1634.4
40°	1395.6	1392.7	1384.1	1363.9	1398.5	1384.1	1375.4	1398.5	1375.4	1384.1	1398.5
42.5°	1142.4	1136.6	1128.0	1125.1	1142.4	1130.9	1139.5	1139.5	1139.5	1130.9	1142.4
45°	880.5	874.8	869.0	857.5	877.6	871.9	869.0	874.8	869.0	871.9	877.6
47.5°	638.8	633.0	627.3	618.7	638.8	630.2	630.2	635.9	630.2	630.2	638.8
50°	428.7	431.6	428.7	423.0	428.7	425.9	428.7	434.5	428.7	425.9	428.7
52.5°	284.9	284.9	279.1	276.2	282.0	279.1	287.7	282.0	287.7	279.1	282.0
55°	172.6	175.5	172.6	169.8	172.6	169.8	178.4	175.5	178.4	169.8	172.6
57.5°	97.8	97.8	100.7	97.8	103.6	100.7	100.7	100.7	100.7	100.7	103.6
60°	54.7	54.7	54.7	54.7	54.7	54.7	57.5	54.7	57.5	54.7	54.7
62.5°	37.4	37.4	37.4	34.5	37.4	34.5	37.4	37.4	37.4	34.5	37.4
65°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
67.5°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
70°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
72.5°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
75°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
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: P212826

CATALOG NUMBER: LD6B40D010 EU6B30508050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8
2.5°	2517.8	2489.0	2503.4	2532.2	2491.9	2526.4	2506.3	2471.8	2471.8	2497.7	2503.4
5°	2549.5	2529.3	2540.8	2566.7	2526.4	2561.0	2537.9	2503.4	2500.5	2526.4	2535.1
7.5°	2578.2	2558.1	2572.5	2598.4	2555.2	2589.7	2569.6	2532.2	2526.4	2552.3	2561.0
10°	2586.9	2569.6	2581.1	2609.9	2566.7	2598.4	2584.0	2543.7	2540.8	2561.0	2572.5
12.5°	2601.3	2586.9	2601.3	2630.0	2586.9	2618.5	2604.1	2563.8	2558.1	2584.0	2592.6
15°	2630.0	2615.6	2632.9	2658.8	2618.5	2644.4	2630.0	2589.7	2586.9	2607.0	2618.5
17.5°	2632.9	2621.4	2638.7	2658.8	2618.5	2644.4	2632.9	2589.7	2586.9	2609.9	2618.5
20°	2586.9	2586.9	2601.3	2621.4	2578.2	2604.1	2592.6	2549.5	2549.5	2569.6	2578.2
22.5°	2520.7	2523.6	2537.9	2555.2	2512.0	2537.9	2526.4	2483.3	2486.2	2503.4	2514.9
25°	2434.4	2440.1	2451.6	2468.9	2428.6	2451.6	2434.4	2399.8	2396.9	2417.1	2431.5
27.5°	2322.1	2330.8	2342.3	2356.7	2319.3	2336.5	2325.0	2290.5	2287.6	2307.7	2322.1
30°	2181.1	2192.6	2204.2	2212.8	2178.3	2195.5	2181.1	2149.5	2149.5	2166.7	2175.4
32.5°	2014.2	2025.8	2040.1	2045.9	2011.4	2031.5	2020.0	1985.5	1985.5	2002.7	2020.0
35°	1815.7	1835.8	1844.5	1853.1	1818.6	1830.1	1835.8	1789.8	1795.6	1809.9	1833.0
37.5°	1602.8	1620.0	1631.5	1637.3	1605.6	1617.1	1620.0	1579.7	1585.5	1597.0	1622.9
40°	1363.9	1384.1	1392.7	1395.6	1372.6	1381.2	1384.1	1343.8	1352.4	1361.1	1381.2
42.5°	1125.1	1128.0	1136.6	1142.4	1122.2	1125.1	1130.9	1093.4	1105.0	1107.8	1128.0
45°	857.5	869.0	874.8	880.5	863.2	869.0	869.0	843.1	846.0	851.7	869.0
47.5°	618.7	627.3	633.0	638.8	624.4	630.2	630.2	604.3	612.9	615.8	627.3
50°	423.0	428.7	431.6	428.7	428.7	428.7	428.7	414.4	423.0	414.4	428.7
52.5°	276.2	279.1	284.9	284.9	276.2	282.0	282.0	270.5	273.4	273.4	282.0
55°	169.8	172.6	175.5	172.6	169.8	172.6	172.6	166.9	172.6	166.9	175.5
57.5°	97.8	100.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	95.0	100.7
60°	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	57.5
62.5°	34.5	37.4	37.4	37.4	37.4	37.4	37.4	34.5	37.4	37.4	37.4
65°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	31.7
67.5°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	25.9
70°	17.3	17.3	17.3	17.3	17.3	17.3	20.1	20.1	17.3	20.1	20.1
72.5°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
75°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	11.5
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: P212826

CATALOG NUMBER: LD6B40D010 EU6B30508050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8
2.5°	2500.5	2477.5	2477.5	2451.6	2474.6	2477.5	2448.7	2440.1	2471.8	2437.2	2454.5
5°	2523.6	2500.5	2500.5	2474.6	2491.9	2491.9	2463.1	2448.7	2480.4	2445.9	2460.3
7.5°	2552.3	2526.4	2520.7	2494.8	2509.2	2512.0	2477.5	2457.4	2489.0	2448.7	2463.1
10°	2561.0	2532.2	2529.3	2503.4	2514.9	2517.8	2477.5	2460.3	2486.2	2443.0	2451.6
12.5°	2581.1	2549.5	2549.5	2523.6	2532.2	2532.2	2491.9	2468.9	2491.9	2448.7	2454.5
15°	2604.1	2569.6	2569.6	2543.7	2549.5	2552.3	2503.4	2480.4	2500.5	2454.5	2460.3
17.5°	2604.1	2566.7	2566.7	2543.7	2546.6	2543.7	2497.7	2471.8	2486.2	2437.2	2440.1
20°	2563.8	2526.4	2532.2	2506.3	2509.2	2506.3	2457.4	2431.5	2445.9	2394.1	2399.8
22.5°	2497.7	2463.1	2468.9	2445.9	2445.9	2443.0	2396.9	2371.1	2385.4	2333.6	2336.5
25°	2414.2	2379.7	2385.4	2362.4	2365.3	2365.3	2319.3	2290.5	2304.9	2258.8	2258.8
27.5°	2304.9	2270.3	2279.0	2264.6	2256.0	2258.8	2218.5	2189.8	2204.2	2161.0	2161.0
30°	2163.9	2135.1	2143.7	2132.2	2123.6	2123.6	2089.1	2060.3	2074.7	2037.3	2034.4
32.5°	1997.0	1974.0	1982.6	1974.0	1965.3	1974.0	1936.6	1907.8	1922.2	1893.4	1896.3
35°	1815.7	1792.7	1798.4	1789.8	1784.0	1789.8	1752.4	1732.2	1746.6	1717.9	1729.4
37.5°	1614.3	1574.0	1591.3	1585.5	1579.7	1582.6	1548.1	1533.7	1551.0	1533.7	1542.3
40°	1378.3	1349.5	1361.1	1355.3	1349.5	1363.9	1338.0	1317.9	1332.3	1320.8	1338.0
42.5°	1122.2	1099.2	1113.6	1110.7	1102.1	1119.3	1099.2	1084.8	1107.8	1102.1	1116.5
45°	863.2	846.0	857.5	857.5	854.6	869.0	848.9	851.7	874.8	883.4	900.7
47.5°	624.4	598.5	612.9	621.5	621.5	635.9	624.4	635.9	661.8	679.1	693.5
50°	425.9	420.1	423.0	425.9	431.6	443.1	440.3	457.5	474.8	503.6	520.8
52.5°	282.0	276.2	282.0	284.9	290.6	302.1	302.1	322.3	342.4	368.3	388.5
55°	175.5	172.6	175.5	178.4	184.2	195.7	198.5	218.7	238.8	264.7	282.0
57.5°	100.7	103.6	103.6	109.3	112.2	120.9	129.5	141.0	164.0	189.9	207.2
60°	57.5	57.5	60.4	63.3	66.2	74.8	80.6	92.1	109.3	135.2	146.8
62.5°	37.4	37.4	40.3	40.3	43.2	48.9	54.7	66.2	80.6	100.7	112.2
65°	31.7	31.7	31.7	34.5	34.5	40.3	46.0	54.7	66.2	80.6	92.1
67.5°	25.9	25.9	25.9	28.8	28.8	31.7	37.4	43.2	51.8	63.3	71.9
70°	20.1	20.1	20.1	23.0	23.0	25.9	28.8	31.7	40.3	48.9	54.7
72.5°	14.4	14.4	17.3	17.3	17.3	20.1	23.0	25.9	31.7	37.4	40.3
75°	11.5	11.5	11.5	11.5	14.4	14.4	17.3	20.1	23.0	25.9	28.8
77.5°	5.8	5.8	8.6	8.6	8.6	11.5	11.5	14.4	17.3	20.1	20.1
80°	5.8	5.8	5.8	5.8	5.8	8.6	8.6	8.6	11.5	14.4	14.4
82.5°	2.9	2.9	2.9	2.9	2.9	5.8	5.8	5.8	8.6	8.6	8.6
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: P212826

CATALOG NUMBER: LD6B40D010 EU6B30508050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8	2471.8
2.5°	2434.4	2443.0	2443.0	2434.4	2411.3	2431.5	2451.6	2431.5	2457.4	2411.3	2411.3
5°	2434.4	2440.1	2437.2	2425.7	2402.7	2420.0	2434.4	2414.2	2434.4	2391.2	2388.3
7.5°	2440.1	2434.4	2428.6	2414.2	2385.4	2396.9	2411.3	2388.3	2408.5	2362.4	2356.7
10°	2428.6	2420.0	2408.5	2388.3	2356.7	2365.3	2373.9	2353.8	2368.2	2322.1	2319.3
12.5°	2428.6	2414.2	2396.9	2373.9	2339.4	2345.2	2353.8	2327.9	2339.4	2296.2	2290.5
15°	2434.4	2408.5	2388.3	2362.4	2325.0	2327.9	2333.6	2304.9	2316.4	2270.3	2267.5
17.5°	2414.2	2385.4	2365.3	2333.6	2293.4	2296.2	2296.2	2267.5	2276.1	2230.1	2227.2
20°	2371.1	2336.5	2313.5	2284.7	2241.6	2241.6	2241.6	2212.8	2218.5	2178.3	2172.5
22.5°	2310.6	2273.2	2250.2	2221.4	2181.1	2178.3	2175.4	2152.4	2152.4	2115.0	2106.3
25°	2230.1	2195.5	2172.5	2146.6	2106.3	2100.6	2100.6	2080.4	2077.5	2043.0	2037.3
27.5°	2138.0	2097.7	2077.5	2054.5	2017.1	2011.4	2008.5	1997.0	1991.2	1953.8	1950.9
30°	2014.2	1979.7	1962.4	1942.3	1907.8	1902.0	1899.1	1887.6	1884.8	1847.3	1847.3
32.5°	1881.9	1838.7	1827.2	1807.1	1781.2	1778.3	1781.2	1766.8	1755.3	1729.4	1723.6
35°	1723.6	1680.5	1671.8	1663.2	1643.0	1637.3	1634.4	1631.5	1617.1	1599.9	1591.3
37.5°	1539.5	1502.0	1502.0	1499.2	1484.8	1484.8	1484.8	1479.0	1464.6	1458.9	1441.6
40°	1340.9	1312.1	1315.0	1317.9	1312.1	1315.0	1317.9	1312.1	1300.6	1294.9	1280.5
42.5°	1128.0	1113.6	1125.1	1133.7	1133.7	1142.4	1148.1	1148.1	1133.7	1130.9	1119.3
45°	915.0	912.2	935.2	952.4	958.2	972.6	981.2	975.5	975.5	975.5	964.0
47.5°	716.5	728.0	748.1	782.7	794.2	811.5	817.2	825.8	823.0	825.8	817.2
50°	543.8	569.7	595.6	630.2	647.4	667.6	676.2	687.7	687.7	690.6	684.8
52.5°	411.5	431.6	474.8	497.8	517.9	538.1	549.6	561.1	564.0	564.0	558.2
55°	305.0	333.8	362.6	394.2	411.5	431.6	440.3	451.8	451.8	457.5	451.8
57.5°	221.6	250.3	282.0	305.0	325.2	339.5	348.2	356.8	362.6	362.6	359.7
60°	164.0	187.0	212.9	236.0	253.2	267.6	273.4	282.0	284.9	284.9	279.1
62.5°	123.7	146.8	169.8	189.9	201.4	212.9	218.7	224.4	224.4	224.4	221.6
65°	100.7	118.0	135.2	152.5	164.0	172.6	175.5	181.3	178.4	181.3	178.4
67.5°	80.6	92.1	106.5	118.0	126.6	132.4	135.2	141.0	138.1	141.0	138.1
70°	60.4	71.9	80.6	89.2	95.0	100.7	103.6	106.5	103.6	106.5	103.6
72.5°	46.0	51.8	60.4	69.1	71.9	74.8	77.7	77.7	77.7	80.6	77.7
75°	31.7	37.4	43.2	46.0	51.8	54.7	54.7	57.5	57.5	57.5	57.5
77.5°	23.0	25.9	28.8	31.7	34.5	37.4	37.4	40.3	40.3	40.3	40.3
80°	14.4	17.3	17.3	20.1	23.0	23.0	25.9	25.9	25.9	25.9	25.9
82.5°	8.6	11.5	11.5	14.4	14.4	14.4	17.3	17.3	17.3	17.3	17.3
85°	5.8	5.8	5.8	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
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: P212826

CATALOG NUMBER: LD6B40D010 EU6B30508050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2471.8	2471.8	2471.8	2471.8
2.5°	2434.4	2420.0	2443.0	2408.5
5°	2408.5	2394.1	2422.8	2379.7
7.5°	2376.8	2362.4	2388.3	2345.2
10°	2336.5	2322.1	2345.2	2299.1
12.5°	2302.0	2287.6	2313.5	2270.3
15°	2276.1	2261.7	2284.7	2244.4
17.5°	2235.8	2218.5	2244.4	2201.3
20°	2178.3	2166.7	2186.9	2143.7
22.5°	2112.1	2100.6	2123.6	2080.4
25°	2043.0	2028.6	2051.7	2008.5
27.5°	1953.8	1942.3	1965.3	1922.2
30°	1847.3	1835.8	1858.9	1818.6
32.5°	1726.5	1715.0	1732.2	1697.7
35°	1588.4	1579.7	1597.0	1559.6
37.5°	1438.7	1430.1	1447.4	1410.0
40°	1277.6	1269.0	1283.4	1266.1
42.5°	1119.3	1110.7	1125.1	1110.7
45°	964.0	958.2	972.6	958.2
47.5°	820.1	814.3	828.7	814.3
50°	682.0	684.8	690.6	684.8
52.5°	558.2	558.2	566.9	558.2
55°	451.8	454.6	457.5	451.8
57.5°	359.7	359.7	362.6	359.7
60°	279.1	282.0	282.0	279.1
62.5°	221.6	221.6	221.6	221.6
65°	175.5	175.5	178.4	175.5
67.5°	138.1	135.2	138.1	135.2
70°	103.6	103.6	103.6	103.6
72.5°	80.6	80.6	77.7	77.7
75°	57.5	60.4	57.5	57.5
77.5°	40.3	40.3	40.3	40.3
80°	25.9	25.9	25.9	25.9
82.5°	17.3	17.3	17.3	17.3
85°	11.5	8.6	8.6	8.6
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)