

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: P212824

Luminaire Tested: **LD6B40D010 EU6B30508035 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212824
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 EU6B30508035 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4090.7 lumens
Efficiency: N/A
Efficacy: 95.1 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

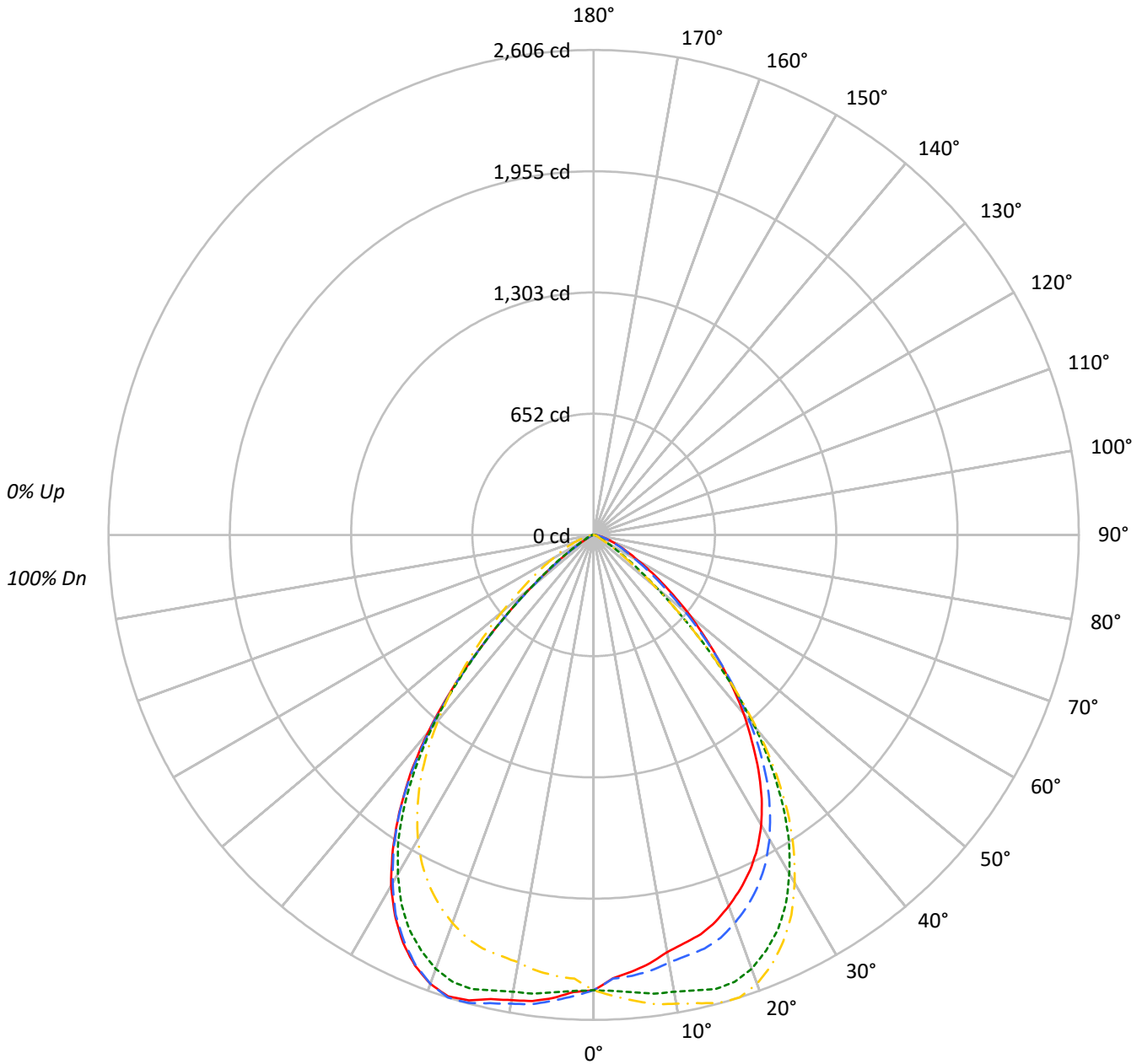
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	99	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	71	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°	134129	134129	134129	134129
5°	129628	135741	137464	135741
10°	126684	138736	141274	138736
15°	126090	143389	146942	143389
20°	123794	144732	149714	144732
25°	120255	141619	146446	141619
30°	113948	133065	137749	133065
35°	103316	118568	121807	118568
40°	89689	96617	99064	96617
45°	73535	66689	67131	66689
50°	57815	37406	36681	37406
55°	42742	18513	16602	18513
60°	30294	8124	5932	8124
65°	22532	5176	3697	5176
70°	16429	4103	2741	4103
75°	12073	3008	1800	3008
80°	8082	2683	884	2683
85°	5346	1761	1761	1761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.2	5.7
10°-20°	693.7	17.0
20°-30°	1035.3	25.3
30°-40°	1063.6	26.0
40°-50°	688.8	16.8
50°-60°	256.1	6.3
60°-70°	84.0	2.1
70°-80°	29.6	0.7
80°-90°	5.3	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°	1963.2	48.0
0°-40°	3026.8	74.0
0°-60°	3971.7	97.1
0°-90°	4090.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4090.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2447	2447	2447	2447	2447	
5°	2356	2467	2498	2467	2356	223
15°	2222	2526	2589	2526	2222	625
25°	1988	2341	2421	2341	1988	911
35°	1544	1772	1820	1772	1544	959
45°	948	860	866	860	948	733
55°	447	194	174	194	447	408
65°	174	40	28	40	174	177
75°	57	14	8	14	57	63
85°	8	3	3	3	8	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°	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7
2.5°	2384.1	2418.2	2395.4	2409.7	2386.9	2386.9	2432.5	2406.8	2426.8	2406.8	2386.9
5°	2355.6	2398.3	2369.8	2384.1	2364.1	2367.0	2409.7	2389.8	2409.7	2395.4	2378.4
7.5°	2321.4	2364.1	2338.5	2352.7	2332.8	2338.5	2384.1	2364.1	2386.9	2372.7	2361.3
10°	2275.8	2321.4	2298.6	2312.8	2295.8	2298.6	2344.2	2329.9	2349.9	2341.3	2332.8
12.5°	2247.3	2290.1	2264.4	2278.7	2267.3	2273.0	2315.7	2304.3	2329.9	2321.4	2315.7
15°	2221.7	2261.6	2238.8	2253.0	2244.5	2247.3	2292.9	2281.5	2310.0	2304.3	2301.5
17.5°	2179.0	2221.7	2196.1	2213.2	2204.6	2207.5	2253.0	2244.5	2273.0	2273.0	2270.1
20°	2122.0	2164.7	2144.8	2156.2	2150.5	2156.2	2196.1	2190.4	2218.9	2218.9	2218.9
22.5°	2059.3	2102.1	2079.3	2090.7	2085.0	2093.5	2130.6	2130.6	2153.3	2156.2	2159.0
25°	1988.1	2030.9	2008.1	2022.3	2016.6	2022.3	2056.5	2059.3	2079.3	2079.3	2085.0
27.5°	1902.7	1945.4	1922.6	1934.0	1931.2	1934.0	1971.0	1976.7	1988.1	1991.0	1996.7
30°	1800.1	1840.0	1817.2	1828.6	1828.6	1828.6	1865.7	1868.5	1879.9	1882.7	1888.4
32.5°	1680.5	1714.7	1697.6	1709.0	1706.2	1711.8	1737.5	1748.9	1763.1	1760.3	1763.1
35°	1543.8	1580.8	1563.7	1572.3	1575.1	1583.7	1600.8	1615.0	1617.9	1620.7	1626.4
37.5°	1395.7	1432.7	1415.6	1424.2	1427.0	1444.1	1449.8	1464.0	1469.7	1469.7	1469.7
40°	1253.3	1270.4	1256.1	1264.7	1267.5	1281.8	1287.4	1298.8	1304.5	1301.7	1298.8
42.5°	1099.5	1113.7	1099.5	1108.0	1108.0	1119.4	1122.2	1136.5	1136.5	1130.8	1122.2
45°	948.5	962.7	948.5	954.2	954.2	965.6	965.6	965.6	971.3	962.7	948.5
47.5°	806.1	820.3	806.1	811.8	808.9	817.5	814.6	817.5	808.9	803.2	786.1
50°	677.9	683.6	677.9	675.1	677.9	683.6	680.8	680.8	669.4	660.8	640.9
52.5°	552.6	561.1	552.6	552.6	552.6	558.3	558.3	555.4	544.0	532.6	512.7
55°	447.2	452.9	450.0	447.2	447.2	452.9	447.2	447.2	435.8	427.3	407.3
57.5°	356.0	358.9	356.0	356.0	356.0	358.9	358.9	353.2	344.6	336.1	321.9
60°	276.3	279.1	279.1	276.3	276.3	282.0	282.0	279.1	270.6	264.9	250.7
62.5°	219.3	219.3	219.3	219.3	219.3	222.2	222.2	222.2	216.5	210.8	199.4
65°	173.7	176.6	173.7	173.7	176.6	179.4	176.6	179.4	173.7	170.9	162.4
67.5°	133.9	136.7	133.9	136.7	136.7	139.6	136.7	139.6	133.9	131.0	125.3
70°	102.5	102.5	102.5	102.5	102.5	105.4	102.5	105.4	102.5	99.7	94.0
72.5°	76.9	76.9	79.8	79.8	76.9	79.8	76.9	76.9	76.9	74.1	71.2
75°	57.0	57.0	59.8	57.0	57.0	57.0	57.0	57.0	54.1	54.1	51.3
77.5°	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	37.0	37.0	34.2
80°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	22.8	22.8
82.5°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	14.2	14.2
85°	8.5	8.5	8.5	11.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5
87.5°	2.8	2.8	2.8	5.7	2.8	2.8	5.7	5.7	2.8	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7
2.5°	2409.7	2418.2	2418.2	2409.7	2429.6	2412.5	2446.7	2415.4	2423.9	2452.4	2449.6
5°	2401.1	2412.5	2415.4	2409.7	2435.3	2421.1	2455.3	2423.9	2438.2	2466.7	2466.7
7.5°	2389.8	2404.0	2409.7	2415.4	2438.2	2423.9	2463.8	2432.5	2452.4	2486.6	2483.7
10°	2364.1	2384.1	2395.4	2404.0	2426.8	2418.2	2461.0	2435.3	2452.4	2492.3	2489.4
12.5°	2349.9	2372.7	2389.8	2404.0	2429.6	2423.9	2466.7	2443.9	2466.7	2506.5	2506.5
15°	2338.5	2364.1	2384.1	2409.7	2435.3	2429.6	2475.2	2455.3	2478.1	2526.5	2523.6
17.5°	2310.0	2341.3	2361.3	2389.8	2415.4	2412.5	2461.0	2446.7	2472.4	2517.9	2520.8
20°	2261.6	2290.1	2312.8	2347.0	2375.5	2369.8	2421.1	2406.8	2432.5	2480.9	2483.7
22.5°	2198.9	2227.4	2250.2	2287.2	2312.8	2310.0	2361.3	2347.0	2372.7	2418.2	2421.1
25°	2124.9	2150.5	2173.3	2207.5	2235.9	2235.9	2281.5	2267.3	2295.8	2341.3	2341.3
27.5°	2033.7	2056.5	2076.4	2116.3	2139.1	2139.1	2181.8	2167.6	2196.1	2235.9	2233.1
30°	1922.6	1942.6	1959.7	1993.8	2013.8	2016.6	2053.6	2039.4	2067.9	2102.1	2102.1
32.5°	1788.8	1808.7	1820.1	1862.8	1877.1	1874.2	1902.7	1888.4	1916.9	1954.0	1945.4
35°	1646.3	1654.9	1663.4	1706.2	1711.8	1700.5	1728.9	1714.7	1734.6	1771.7	1766.0
37.5°	1484.0	1486.8	1486.8	1523.9	1526.7	1518.2	1535.3	1518.2	1532.4	1566.6	1563.7
40°	1304.5	1301.7	1298.8	1327.3	1324.5	1307.4	1318.8	1304.5	1324.5	1350.1	1335.9
42.5°	1122.2	1113.7	1102.3	1116.5	1105.2	1090.9	1096.6	1073.8	1088.1	1108.0	1090.9
45°	942.8	925.7	902.9	905.8	891.5	874.4	865.9	843.1	840.3	860.2	846.0
47.5°	774.7	740.6	720.6	709.2	686.4	672.2	655.1	629.5	618.1	629.5	615.2
50°	623.8	589.6	564.0	538.3	515.5	498.5	470.0	452.9	435.8	438.6	427.3
52.5°	492.8	470.0	427.3	407.3	384.5	364.6	339.0	319.0	299.1	299.1	287.7
55°	390.2	358.9	330.4	301.9	279.1	262.0	236.4	216.5	196.5	193.7	182.3
57.5°	301.9	279.1	247.8	219.3	205.1	188.0	162.4	139.6	128.2	119.6	111.1
60°	233.6	210.8	185.1	162.4	145.3	133.9	108.2	91.1	79.8	74.1	65.5
62.5°	188.0	168.1	145.3	122.5	111.1	99.7	79.8	65.5	54.1	48.4	42.7
65°	151.0	133.9	116.8	99.7	91.1	79.8	65.5	54.1	45.6	39.9	34.2
67.5°	116.8	105.4	91.1	79.8	71.2	62.7	51.3	42.7	37.0	31.3	28.5
70°	88.3	79.8	71.2	59.8	54.1	48.4	39.9	31.3	28.5	25.6	22.8
72.5°	68.4	59.8	51.3	45.6	39.9	37.0	31.3	25.6	22.8	19.9	17.1
75°	45.6	42.7	37.0	31.3	28.5	25.6	22.8	19.9	17.1	14.2	14.2
77.5°	31.3	28.5	25.6	22.8	19.9	19.9	17.1	14.2	11.4	11.4	8.5
80°	19.9	17.1	17.1	14.2	14.2	14.2	11.4	8.5	8.5	8.5	5.7
82.5°	14.2	11.4	11.4	8.5	8.5	8.5	8.5	5.7	5.7	5.7	2.8
85°	8.5	5.7	5.7	5.7	5.7	5.7	5.7	2.8	2.8	2.8	2.8
87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7
2.5°	2426.8	2452.4	2452.4	2475.2	2478.1	2472.4	2446.7	2446.7	2480.9	2500.8	2466.7
5°	2449.6	2475.2	2475.2	2498.0	2509.4	2500.8	2475.2	2478.1	2512.2	2535.0	2500.8
7.5°	2469.5	2495.1	2500.8	2526.5	2535.0	2526.5	2500.8	2506.5	2543.6	2563.5	2529.3
10°	2478.1	2503.7	2506.5	2535.0	2546.4	2535.0	2515.1	2517.9	2557.8	2572.0	2540.7
12.5°	2498.0	2523.6	2523.6	2555.0	2566.3	2557.8	2532.2	2537.9	2577.7	2592.0	2560.7
15°	2517.9	2543.6	2543.6	2577.7	2592.0	2580.6	2560.7	2563.5	2603.4	2617.6	2592.0
17.5°	2517.9	2540.7	2540.7	2577.7	2592.0	2583.4	2560.7	2563.5	2606.2	2617.6	2592.0
20°	2480.9	2506.5	2500.8	2537.9	2552.1	2543.6	2523.6	2523.6	2566.3	2577.7	2552.1
22.5°	2421.1	2443.9	2438.2	2472.4	2489.4	2478.1	2461.0	2458.1	2500.8	2512.2	2486.6
25°	2338.5	2361.3	2355.6	2389.8	2406.8	2392.6	2372.7	2375.5	2409.7	2426.8	2404.0
27.5°	2241.6	2255.9	2247.3	2281.5	2298.6	2284.4	2264.4	2267.3	2301.5	2312.8	2295.8
30°	2110.6	2122.0	2113.5	2141.9	2153.3	2144.8	2127.7	2127.7	2159.0	2173.3	2156.2
32.5°	1954.0	1962.5	1954.0	1976.7	1999.5	1982.4	1965.4	1965.4	1999.5	2010.9	1991.0
35°	1771.7	1780.2	1774.5	1797.3	1814.4	1791.6	1777.4	1771.7	1817.2	1811.5	1800.1
37.5°	1569.4	1575.1	1558.0	1597.9	1606.5	1580.8	1569.4	1563.7	1603.6	1600.8	1589.4
40°	1341.6	1347.3	1335.9	1364.4	1367.2	1347.3	1338.7	1330.2	1370.0	1367.2	1358.7
42.5°	1099.5	1102.3	1088.1	1110.9	1116.5	1096.6	1093.8	1082.4	1119.4	1113.7	1110.9
45°	848.8	848.8	837.4	854.5	860.2	843.1	837.4	834.6	860.2	860.2	854.5
47.5°	615.2	606.7	592.5	618.1	620.9	609.5	606.7	598.2	623.8	623.8	618.1
50°	421.6	418.7	415.9	421.6	424.4	410.2	418.7	410.2	424.4	424.4	424.4
52.5°	282.0	279.1	273.4	279.1	279.1	270.6	270.6	267.7	279.1	279.1	273.4
55°	176.6	173.7	170.9	173.7	173.7	165.2	170.9	165.2	170.9	170.9	168.1
57.5°	108.2	102.5	102.5	99.7	99.7	94.0	96.8	96.8	96.8	96.8	96.8
60°	62.7	59.8	57.0	57.0	57.0	54.1	54.1	54.1	54.1	54.1	54.1
62.5°	39.9	39.9	37.0	37.0	37.0	37.0	37.0	34.2	37.0	37.0	37.0
65°	34.2	31.3	31.3	31.3	31.3	28.5	28.5	28.5	28.5	28.5	28.5
67.5°	28.5	25.6	25.6	25.6	25.6	22.8	22.8	22.8	22.8	22.8	22.8
70°	22.8	19.9	19.9	19.9	19.9	19.9	17.1	19.9	19.9	17.1	17.1
72.5°	17.1	17.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
75°	11.4	11.4	11.4	11.4	11.4	8.5	8.5	8.5	8.5	8.5	8.5
77.5°	8.5	8.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
80°	5.7	5.7	5.7	5.7	5.7	2.8	2.8	2.8	2.8	2.8	2.8
82.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
85°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	0.0	2.8	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212824

CATALOG NUMBER: LD6B40D010 EU6B30508035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7
2.5°	2506.5	2478.1	2463.8	2492.3	2503.7	2489.4	2478.1	2458.1	2478.1	2489.4	2503.7
5°	2540.7	2515.1	2503.7	2523.6	2540.7	2526.5	2517.9	2498.0	2517.9	2526.5	2540.7
7.5°	2572.0	2546.4	2532.2	2552.1	2572.0	2552.1	2543.6	2526.5	2543.6	2552.1	2572.0
10°	2583.4	2555.0	2543.6	2560.7	2580.6	2560.7	2549.3	2537.9	2549.3	2560.7	2580.6
12.5°	2603.4	2574.9	2560.7	2574.9	2594.8	2574.9	2563.5	2555.0	2563.5	2574.9	2594.8
15°	2631.9	2606.2	2589.1	2603.4	2629.0	2606.2	2592.0	2589.1	2592.0	2606.2	2629.0
17.5°	2631.9	2611.9	2594.8	2606.2	2631.9	2614.8	2594.8	2600.5	2594.8	2614.8	2631.9
20°	2594.8	2574.9	2560.7	2560.7	2597.7	2574.9	2557.8	2566.3	2557.8	2574.9	2597.7
22.5°	2529.3	2512.2	2498.0	2495.1	2532.2	2512.2	2489.4	2506.5	2489.4	2512.2	2532.2
25°	2443.9	2426.8	2415.4	2409.7	2446.7	2423.9	2404.0	2421.1	2404.0	2423.9	2446.7
27.5°	2332.8	2318.5	2307.2	2298.6	2332.8	2312.8	2292.9	2310.0	2292.9	2312.8	2332.8
30°	2190.4	2181.8	2170.4	2159.0	2193.2	2173.3	2153.3	2176.1	2153.3	2173.3	2193.2
32.5°	2025.2	2019.5	2005.2	1993.8	2028.0	2005.2	1991.0	2008.1	1991.0	2005.2	2028.0
35°	1834.3	1825.8	1817.2	1797.3	1834.3	1814.4	1814.4	1820.1	1814.4	1814.4	1834.3
37.5°	1620.7	1615.0	1603.6	1586.5	1617.9	1603.6	1597.9	1615.0	1597.9	1603.6	1617.9
40°	1381.4	1378.6	1370.0	1350.1	1384.3	1370.0	1361.5	1384.3	1361.5	1370.0	1384.3
42.5°	1130.8	1125.1	1116.5	1113.7	1130.8	1119.4	1127.9	1127.9	1127.9	1119.4	1130.8
45°	871.6	865.9	860.2	848.8	868.7	863.0	860.2	865.9	860.2	863.0	868.7
47.5°	632.3	626.6	620.9	612.4	632.3	623.8	623.8	629.5	623.8	623.8	632.3
50°	424.4	427.3	424.4	418.7	424.4	421.6	424.4	430.1	424.4	421.6	424.4
52.5°	282.0	282.0	276.3	273.4	279.1	276.3	284.8	279.1	284.8	276.3	279.1
55°	170.9	173.7	170.9	168.1	170.9	168.1	176.6	173.7	176.6	168.1	170.9
57.5°	96.8	96.8	99.7	96.8	102.5	99.7	99.7	99.7	99.7	99.7	102.5
60°	54.1	54.1	54.1	54.1	54.1	54.1	57.0	54.1	57.0	54.1	54.1
62.5°	37.0	37.0	37.0	34.2	37.0	34.2	37.0	37.0	37.0	34.2	37.0
65°	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
67.5°	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
70°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
72.5°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
75°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
77.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
80°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
82.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212824

CATALOG NUMBER: LD6B40D010 EU6B30508035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7
2.5°	2492.3	2463.8	2478.1	2506.5	2466.7	2500.8	2480.9	2446.7	2446.7	2472.4	2478.1
5°	2523.6	2503.7	2515.1	2540.7	2500.8	2535.0	2512.2	2478.1	2475.2	2500.8	2509.4
7.5°	2552.1	2532.2	2546.4	2572.0	2529.3	2563.5	2543.6	2506.5	2500.8	2526.5	2535.0
10°	2560.7	2543.6	2555.0	2583.4	2540.7	2572.0	2557.8	2517.9	2515.1	2535.0	2546.4
12.5°	2574.9	2560.7	2574.9	2603.4	2560.7	2592.0	2577.7	2537.9	2532.2	2557.8	2566.3
15°	2603.4	2589.1	2606.2	2631.9	2592.0	2617.6	2603.4	2563.5	2560.7	2580.6	2592.0
17.5°	2606.2	2594.8	2611.9	2631.9	2592.0	2617.6	2606.2	2563.5	2560.7	2583.4	2592.0
20°	2560.7	2560.7	2574.9	2594.8	2552.1	2577.7	2566.3	2523.6	2523.6	2543.6	2552.1
22.5°	2495.1	2498.0	2512.2	2529.3	2486.6	2512.2	2500.8	2458.1	2461.0	2478.1	2489.4
25°	2409.7	2415.4	2426.8	2443.9	2404.0	2426.8	2409.7	2375.5	2372.7	2392.6	2406.8
27.5°	2298.6	2307.2	2318.5	2332.8	2295.8	2312.8	2301.5	2267.3	2264.4	2284.4	2298.6
30°	2159.0	2170.4	2181.8	2190.4	2156.2	2173.3	2159.0	2127.7	2127.7	2144.8	2153.3
32.5°	1993.8	2005.2	2019.5	2025.2	1991.0	2010.9	1999.5	1965.4	1965.4	1982.4	1999.5
35°	1797.3	1817.2	1825.8	1834.3	1800.1	1811.5	1817.2	1771.7	1777.4	1791.6	1814.4
37.5°	1586.5	1603.6	1615.0	1620.7	1589.4	1600.8	1603.6	1563.7	1569.4	1580.8	1606.5
40°	1350.1	1370.0	1378.6	1381.4	1358.7	1367.2	1370.0	1330.2	1338.7	1347.3	1367.2
42.5°	1113.7	1116.5	1125.1	1130.8	1110.9	1113.7	1119.4	1082.4	1093.8	1096.6	1116.5
45°	848.8	860.2	865.9	871.6	854.5	860.2	860.2	834.6	837.4	843.1	860.2
47.5°	612.4	620.9	626.6	632.3	618.1	623.8	623.8	598.2	606.7	609.5	620.9
50°	418.7	424.4	427.3	424.4	424.4	424.4	424.4	410.2	418.7	410.2	424.4
52.5°	273.4	276.3	282.0	282.0	273.4	279.1	279.1	267.7	270.6	270.6	279.1
55°	168.1	170.9	173.7	170.9	168.1	170.9	170.9	165.2	170.9	165.2	173.7
57.5°	96.8	99.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	94.0	99.7
60°	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	57.0
62.5°	34.2	37.0	37.0	37.0	37.0	37.0	37.0	34.2	37.0	37.0	37.0
65°	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	31.3
67.5°	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	25.6
70°	17.1	17.1	17.1	17.1	17.1	17.1	19.9	19.9	17.1	19.9	19.9
72.5°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
75°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	11.4
77.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
80°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7
82.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8	0.0	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212824

CATALOG NUMBER: LD6B40D010 EU6B30508035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7
2.5°	2475.2	2452.4	2452.4	2426.8	2449.6	2452.4	2423.9	2415.4	2446.7	2412.5	2429.6
5°	2498.0	2475.2	2475.2	2449.6	2466.7	2466.7	2438.2	2423.9	2455.3	2421.1	2435.3
7.5°	2526.5	2500.8	2495.1	2469.5	2483.7	2486.6	2452.4	2432.5	2463.8	2423.9	2438.2
10°	2535.0	2506.5	2503.7	2478.1	2489.4	2492.3	2452.4	2435.3	2461.0	2418.2	2426.8
12.5°	2555.0	2523.6	2523.6	2498.0	2506.5	2506.5	2466.7	2443.9	2466.7	2423.9	2429.6
15°	2577.7	2543.6	2543.6	2517.9	2523.6	2526.5	2478.1	2455.3	2475.2	2429.6	2435.3
17.5°	2577.7	2540.7	2540.7	2517.9	2520.8	2517.9	2472.4	2446.7	2461.0	2412.5	2415.4
20°	2537.9	2500.8	2506.5	2480.9	2483.7	2480.9	2432.5	2406.8	2421.1	2369.8	2375.5
22.5°	2472.4	2438.2	2443.9	2421.1	2421.1	2418.2	2372.7	2347.0	2361.3	2310.0	2312.8
25°	2389.8	2355.6	2361.3	2338.5	2341.3	2341.3	2295.8	2267.3	2281.5	2235.9	2235.9
27.5°	2281.5	2247.3	2255.9	2241.6	2233.1	2235.9	2196.1	2167.6	2181.8	2139.1	2139.1
30°	2141.9	2113.5	2122.0	2110.6	2102.1	2102.1	2067.9	2039.4	2053.6	2016.6	2013.8
32.5°	1976.7	1954.0	1962.5	1954.0	1945.4	1954.0	1916.9	1888.4	1902.7	1874.2	1877.1
35°	1797.3	1774.5	1780.2	1771.7	1766.0	1771.7	1734.6	1714.7	1728.9	1700.5	1711.8
37.5°	1597.9	1558.0	1575.1	1569.4	1563.7	1566.6	1532.4	1518.2	1535.3	1518.2	1526.7
40°	1364.4	1335.9	1347.3	1341.6	1335.9	1350.1	1324.5	1304.5	1318.8	1307.4	1324.5
42.5°	1110.9	1088.1	1102.3	1099.5	1090.9	1108.0	1088.1	1073.8	1096.6	1090.9	1105.2
45°	854.5	837.4	848.8	848.8	846.0	860.2	840.3	843.1	865.9	874.4	891.5
47.5°	618.1	592.5	606.7	615.2	615.2	629.5	618.1	629.5	655.1	672.2	686.4
50°	421.6	415.9	418.7	421.6	427.3	438.6	435.8	452.9	470.0	498.5	515.5
52.5°	279.1	273.4	279.1	282.0	287.7	299.1	299.1	319.0	339.0	364.6	384.5
55°	173.7	170.9	173.7	176.6	182.3	193.7	196.5	216.5	236.4	262.0	279.1
57.5°	99.7	102.5	102.5	108.2	111.1	119.6	128.2	139.6	162.4	188.0	205.1
60°	57.0	57.0	59.8	62.7	65.5	74.1	79.8	91.1	108.2	133.9	145.3
62.5°	37.0	37.0	39.9	39.9	42.7	48.4	54.1	65.5	79.8	99.7	111.1
65°	31.3	31.3	31.3	34.2	34.2	39.9	45.6	54.1	65.5	79.8	91.1
67.5°	25.6	25.6	25.6	28.5	28.5	31.3	37.0	42.7	51.3	62.7	71.2
70°	19.9	19.9	19.9	22.8	22.8	25.6	28.5	31.3	39.9	48.4	54.1
72.5°	14.2	14.2	17.1	17.1	17.1	19.9	22.8	25.6	31.3	37.0	39.9
75°	11.4	11.4	11.4	11.4	14.2	14.2	17.1	19.9	22.8	25.6	28.5
77.5°	5.7	5.7	8.5	8.5	8.5	11.4	11.4	14.2	17.1	19.9	19.9
80°	5.7	5.7	5.7	5.7	5.7	8.5	8.5	8.5	11.4	14.2	14.2
82.5°	2.8	2.8	2.8	2.8	2.8	5.7	5.7	5.7	8.5	8.5	8.5
85°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7	5.7	5.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212824

CATALOG NUMBER: LD6B40D010 EU6B30508035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7	2446.7
2.5°	2409.7	2418.2	2418.2	2409.7	2386.9	2406.8	2426.8	2406.8	2432.5	2386.9	2386.9
5°	2409.7	2415.4	2412.5	2401.1	2378.4	2395.4	2409.7	2389.8	2409.7	2367.0	2364.1
7.5°	2415.4	2409.7	2404.0	2389.8	2361.3	2372.7	2386.9	2364.1	2384.1	2338.5	2332.8
10°	2404.0	2395.4	2384.1	2364.1	2332.8	2341.3	2349.9	2329.9	2344.2	2298.6	2295.8
12.5°	2404.0	2389.8	2372.7	2349.9	2315.7	2321.4	2329.9	2304.3	2315.7	2273.0	2267.3
15°	2409.7	2384.1	2364.1	2338.5	2301.5	2304.3	2310.0	2281.5	2292.9	2247.3	2244.5
17.5°	2389.8	2361.3	2341.3	2310.0	2270.1	2273.0	2273.0	2244.5	2253.0	2207.5	2204.6
20°	2347.0	2312.8	2290.1	2261.6	2218.9	2218.9	2218.9	2190.4	2196.1	2156.2	2150.5
22.5°	2287.2	2250.2	2227.4	2198.9	2159.0	2156.2	2153.3	2130.6	2130.6	2093.5	2085.0
25°	2207.5	2173.3	2150.5	2124.9	2085.0	2079.3	2079.3	2059.3	2056.5	2022.3	2016.6
27.5°	2116.3	2076.4	2056.5	2033.7	1996.7	1991.0	1988.1	1976.7	1971.0	1934.0	1931.2
30°	1993.8	1959.7	1942.6	1922.6	1888.4	1882.7	1879.9	1868.5	1865.7	1828.6	1828.6
32.5°	1862.8	1820.1	1808.7	1788.8	1763.1	1760.3	1763.1	1748.9	1737.5	1711.8	1706.2
35°	1706.2	1663.4	1654.9	1646.3	1626.4	1620.7	1617.9	1615.0	1600.8	1583.7	1575.1
37.5°	1523.9	1486.8	1486.8	1484.0	1469.7	1469.7	1469.7	1464.0	1449.8	1444.1	1427.0
40°	1327.3	1298.8	1301.7	1304.5	1298.8	1301.7	1304.5	1298.8	1287.4	1281.8	1267.5
42.5°	1116.5	1102.3	1113.7	1122.2	1122.2	1130.8	1136.5	1136.5	1122.2	1119.4	1108.0
45°	905.8	902.9	925.7	942.8	948.5	962.7	971.3	965.6	965.6	965.6	954.2
47.5°	709.2	720.6	740.6	774.7	786.1	803.2	808.9	817.5	814.6	817.5	808.9
50°	538.3	564.0	589.6	623.8	640.9	660.8	669.4	680.8	680.8	683.6	677.9
52.5°	407.3	427.3	470.0	492.8	512.7	532.6	544.0	555.4	558.3	558.3	552.6
55°	301.9	330.4	358.9	390.2	407.3	427.3	435.8	447.2	447.2	452.9	447.2
57.5°	219.3	247.8	279.1	301.9	321.9	336.1	344.6	353.2	358.9	358.9	356.0
60°	162.4	185.1	210.8	233.6	250.7	264.9	270.6	279.1	282.0	282.0	276.3
62.5°	122.5	145.3	168.1	188.0	199.4	210.8	216.5	222.2	222.2	222.2	219.3
65°	99.7	116.8	133.9	151.0	162.4	170.9	173.7	179.4	176.6	179.4	176.6
67.5°	79.8	91.1	105.4	116.8	125.3	131.0	133.9	139.6	136.7	139.6	136.7
70°	59.8	71.2	79.8	88.3	94.0	99.7	102.5	105.4	102.5	105.4	102.5
72.5°	45.6	51.3	59.8	68.4	71.2	74.1	76.9	76.9	76.9	79.8	76.9
75°	31.3	37.0	42.7	45.6	51.3	54.1	54.1	57.0	57.0	57.0	57.0
77.5°	22.8	25.6	28.5	31.3	34.2	37.0	37.0	39.9	39.9	39.9	39.9
80°	14.2	17.1	17.1	19.9	22.8	22.8	25.6	25.6	25.6	25.6	25.6
82.5°	8.5	11.4	11.4	14.2	14.2	14.2	17.1	17.1	17.1	17.1	17.1
85°	5.7	5.7	5.7	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7	5.7	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212824

CATALOG NUMBER: LD6B40D010 EU6B30508035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2446.7	2446.7	2446.7	2446.7
2.5°	2409.7	2395.4	2418.2	2384.1
5°	2384.1	2369.8	2398.3	2355.6
7.5°	2352.7	2338.5	2364.1	2321.4
10°	2312.8	2298.6	2321.4	2275.8
12.5°	2278.7	2264.4	2290.1	2247.3
15°	2253.0	2238.8	2261.6	2221.7
17.5°	2213.2	2196.1	2221.7	2179.0
20°	2156.2	2144.8	2164.7	2122.0
22.5°	2090.7	2079.3	2102.1	2059.3
25°	2022.3	2008.1	2030.9	1988.1
27.5°	1934.0	1922.6	1945.4	1902.7
30°	1828.6	1817.2	1840.0	1800.1
32.5°	1709.0	1697.6	1714.7	1680.5
35°	1572.3	1563.7	1580.8	1543.8
37.5°	1424.2	1415.6	1432.7	1395.7
40°	1264.7	1256.1	1270.4	1253.3
42.5°	1108.0	1099.5	1113.7	1099.5
45°	954.2	948.5	962.7	948.5
47.5°	811.8	806.1	820.3	806.1
50°	675.1	677.9	683.6	677.9
52.5°	552.6	552.6	561.1	552.6
55°	447.2	450.0	452.9	447.2
57.5°	356.0	356.0	358.9	356.0
60°	276.3	279.1	279.1	276.3
62.5°	219.3	219.3	219.3	219.3
65°	173.7	173.7	176.6	173.7
67.5°	136.7	133.9	136.7	133.9
70°	102.5	102.5	102.5	102.5
72.5°	79.8	79.8	76.9	76.9
75°	57.0	59.8	57.0	57.0
77.5°	39.9	39.9	39.9	39.9
80°	25.6	25.6	25.6	25.6
82.5°	17.1	17.1	17.1	17.1
85°	11.4	8.5	8.5	8.5
87.5°	5.7	2.8	2.8	2.8
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)