

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: P212822

Luminaire Tested: **LD6B40D010 EU6B30508027 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212822
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 EU6B30508027 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3818.6 lumens
Efficiency: N/A
Efficacy: 88.8 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

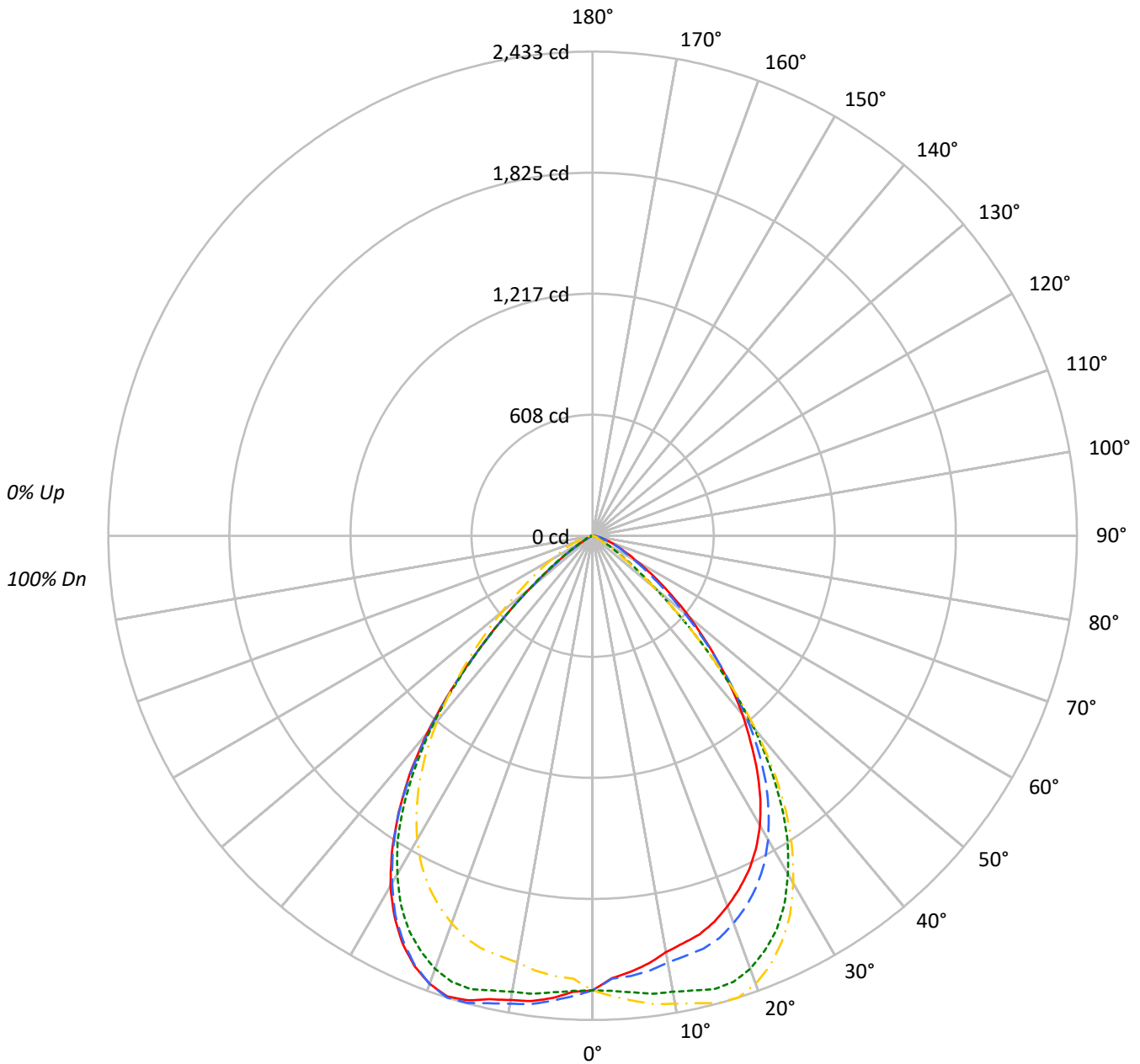
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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								
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°	125204	125204	125204	125204
5°	120999	126706	128318	126706
10°	118257	129507	131872	129507
15°	117702	133849	137169	133849
20°	115557	135100	139755	135100
25°	112258	132201	136701	132201
30°	106371	124209	128583	124209
35°	96443	110677	113702	110677
40°	83721	90190	92473	90190
45°	68643	62255	62665	62255
50°	53968	34924	34242	34924
55°	39893	17280	15502	17280
60°	28276	7576	5537	7576
65°	21040	4825	3450	4825
70°	15339	3831	2565	3831
75°	11268	2817	1694	2817
80°	7545	2526	852	2526
85°	5032	1698	1698	1698



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.6	5.7
10°-20°	647.6	17.0
20°-30°	966.4	25.3
30°-40°	992.9	26.0
40°-50°	643.0	16.8
50°-60°	239.1	6.3
60°-70°	78.4	2.1
70°-80°	27.7	0.7
80°-90°	5.0	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°	1832.6	48.0
0°-40°	2825.4	74.0
0°-60°	3707.5	97.1
0°-90°	3818.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3818.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2284	2284	2284	2284	2284	
5°	2199	2302	2332	2302	2199	208
15°	2074	2358	2417	2358	2074	583
25°	1856	2186	2260	2186	1856	851
35°	1441	1654	1699	1654	1441	895
45°	885	803	808	803	885	685
55°	417	181	162	181	417	381
65°	162	37	27	37	162	165
75°	53	13	8	13	53	58
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°	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9
2.5°	2225.4	2257.3	2236.1	2249.4	2228.1	2228.1	2270.6	2246.7	2265.3	2246.7	2228.1
5°	2198.8	2238.7	2212.1	2225.4	2206.8	2209.5	2249.4	2230.8	2249.4	2236.1	2220.1
7.5°	2166.9	2206.8	2182.9	2196.2	2177.6	2182.9	2225.4	2206.8	2228.1	2214.8	2204.2
10°	2124.4	2166.9	2145.7	2159.0	2143.0	2145.7	2188.2	2174.9	2193.5	2185.6	2177.6
12.5°	2097.8	2137.7	2113.8	2127.1	2116.4	2121.7	2161.6	2151.0	2174.9	2166.9	2161.6
15°	2073.9	2111.1	2089.8	2103.1	2095.2	2097.8	2140.4	2129.7	2156.3	2151.0	2148.3
17.5°	2034.0	2073.9	2050.0	2065.9	2057.9	2060.6	2103.1	2095.2	2121.7	2121.7	2119.1
20°	1980.8	2020.7	2002.1	2012.7	2007.4	2012.7	2050.0	2044.6	2071.2	2071.2	2071.2
22.5°	1922.3	1962.2	1940.9	1951.6	1946.3	1954.2	1988.8	1988.8	2010.1	2012.7	2015.4
25°	1855.9	1895.7	1874.5	1887.8	1882.4	1887.8	1919.7	1922.3	1940.9	1940.9	1946.3
27.5°	1776.1	1816.0	1794.7	1805.3	1802.7	1805.3	1839.9	1845.2	1855.9	1858.5	1863.8
30°	1680.4	1717.6	1696.3	1707.0	1707.0	1707.0	1741.5	1744.2	1754.8	1757.5	1762.8
32.5°	1568.7	1600.6	1584.7	1595.3	1592.6	1598.0	1621.9	1632.5	1645.8	1643.2	1645.8
35°	1441.1	1475.6	1459.7	1467.7	1470.3	1478.3	1494.3	1507.6	1510.2	1512.9	1518.2
37.5°	1302.8	1337.4	1321.4	1329.4	1332.1	1348.0	1353.3	1366.6	1372.0	1372.0	1372.0
40°	1169.9	1185.8	1172.5	1180.5	1183.2	1196.5	1201.8	1212.4	1217.7	1215.1	1212.4
42.5°	1026.3	1039.6	1026.3	1034.3	1034.3	1044.9	1047.6	1060.9	1060.9	1055.6	1047.6
45°	885.4	898.7	885.4	890.7	890.7	901.3	901.3	901.3	906.7	898.7	885.4
47.5°	752.4	765.7	752.4	757.8	755.1	763.1	760.4	763.1	755.1	749.8	733.8
50°	632.8	638.1	632.8	630.1	632.8	638.1	635.5	635.5	624.8	616.8	598.2
52.5°	515.8	523.8	515.8	515.8	515.8	521.1	521.1	518.5	507.8	497.2	478.6
55°	417.4	422.8	420.1	417.4	417.4	422.8	417.4	417.4	406.8	398.8	380.2
57.5°	332.4	335.0	332.4	332.4	332.4	335.0	335.0	329.7	321.7	313.7	300.4
60°	257.9	260.6	260.6	257.9	257.9	263.2	263.2	260.6	252.6	247.3	234.0
62.5°	204.7	204.7	204.7	204.7	204.7	207.4	207.4	207.4	202.1	196.8	186.1
65°	162.2	164.8	162.2	162.2	164.8	167.5	164.8	167.5	162.2	159.5	151.6
67.5°	125.0	127.6	125.0	127.6	127.6	130.3	127.6	130.3	125.0	122.3	117.0
70°	95.7	95.7	95.7	95.7	95.7	98.4	95.7	98.4	95.7	93.1	87.7
72.5°	71.8	71.8	74.4	74.4	71.8	74.4	71.8	71.8	71.8	69.1	66.5
75°	53.2	53.2	55.8	53.2	53.2	53.2	53.2	53.2	50.5	50.5	47.9
77.5°	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	34.6	34.6	31.9
80°	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	21.3	21.3
82.5°	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	13.3	13.3
85°	8.0	8.0	8.0	10.6	8.0	8.0	8.0	8.0	8.0	8.0	8.0
87.5°	2.7	2.7	2.7	5.3	2.7	2.7	5.3	5.3	2.7	2.7	2.7
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°	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9
2.5°	2249.4	2257.3	2257.3	2249.4	2268.0	2252.0	2283.9	2254.7	2262.7	2289.2	2286.6
5°	2241.4	2252.0	2254.7	2249.4	2273.3	2260.0	2291.9	2262.7	2276.0	2302.5	2302.5
7.5°	2230.8	2244.0	2249.4	2254.7	2276.0	2262.7	2299.9	2270.6	2289.2	2321.2	2318.5
10°	2206.8	2225.4	2236.1	2244.0	2265.3	2257.3	2297.2	2273.3	2289.2	2326.5	2323.8
12.5°	2193.5	2214.8	2230.8	2244.0	2268.0	2262.7	2302.5	2281.3	2302.5	2339.8	2339.8
15°	2182.9	2206.8	2225.4	2249.4	2273.3	2268.0	2310.5	2291.9	2313.2	2358.4	2355.7
17.5°	2156.3	2185.6	2204.2	2230.8	2254.7	2252.0	2297.2	2283.9	2307.9	2350.4	2353.1
20°	2111.1	2137.7	2159.0	2190.9	2217.5	2212.1	2260.0	2246.7	2270.6	2315.8	2318.5
22.5°	2052.6	2079.2	2100.5	2135.0	2159.0	2156.3	2204.2	2190.9	2214.8	2257.3	2260.0
25°	1983.5	2007.4	2028.7	2060.6	2087.2	2087.2	2129.7	2116.4	2143.0	2185.6	2185.6
27.5°	1898.4	1919.7	1938.3	1975.5	1996.8	1996.8	2036.7	2023.4	2050.0	2087.2	2084.5
30°	1794.7	1813.3	1829.3	1861.2	1879.8	1882.4	1917.0	1903.7	1930.3	1962.2	1962.2
32.5°	1669.7	1688.4	1699.0	1738.9	1752.2	1749.5	1776.1	1762.8	1789.4	1824.0	1816.0
35°	1536.8	1544.8	1552.8	1592.6	1598.0	1587.3	1613.9	1600.6	1619.2	1653.8	1648.5
37.5°	1385.2	1387.9	1387.9	1422.5	1425.1	1417.2	1433.1	1417.2	1430.4	1462.4	1459.7
40°	1217.7	1215.1	1212.4	1239.0	1236.4	1220.4	1231.0	1217.7	1236.4	1260.3	1247.0
42.5°	1047.6	1039.6	1029.0	1042.3	1031.6	1018.3	1023.6	1002.4	1015.7	1034.3	1018.3
45°	880.1	864.1	842.8	845.5	832.2	816.3	808.3	787.0	784.4	803.0	789.7
47.5°	723.2	691.3	672.7	662.0	640.8	627.5	611.5	587.6	577.0	587.6	574.3
50°	582.3	550.4	526.4	502.5	481.2	465.3	438.7	422.8	406.8	409.5	398.8
52.5°	460.0	438.7	398.8	380.2	358.9	340.3	316.4	297.8	279.2	279.2	268.5
55°	364.3	335.0	308.4	281.8	260.6	244.6	220.7	202.1	183.5	180.8	170.2
57.5°	281.8	260.6	231.3	204.7	191.4	175.5	151.6	130.3	119.6	111.7	103.7
60°	218.0	196.8	172.8	151.6	135.6	125.0	101.0	85.1	74.4	69.1	61.2
62.5°	175.5	156.9	135.6	114.3	103.7	93.1	74.4	61.2	50.5	45.2	39.9
65°	140.9	125.0	109.0	93.1	85.1	74.4	61.2	50.5	42.5	37.2	31.9
67.5°	109.0	98.4	85.1	74.4	66.5	58.5	47.9	39.9	34.6	29.2	26.6
70°	82.4	74.4	66.5	55.8	50.5	45.2	37.2	29.2	26.6	23.9	21.3
72.5°	63.8	55.8	47.9	42.5	37.2	34.6	29.2	23.9	21.3	18.6	16.0
75°	42.5	39.9	34.6	29.2	26.6	23.9	21.3	18.6	16.0	13.3	13.3
77.5°	29.2	26.6	23.9	21.3	18.6	18.6	16.0	13.3	10.6	10.6	8.0
80°	18.6	16.0	16.0	13.3	13.3	13.3	10.6	8.0	8.0	8.0	5.3
82.5°	13.3	10.6	10.6	8.0	8.0	8.0	8.0	5.3	5.3	5.3	2.7
85°	8.0	5.3	5.3	5.3	5.3	5.3	5.3	2.7	2.7	2.7	2.7
87.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	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°	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9
2.5°	2265.3	2289.2	2289.2	2310.5	2313.2	2307.9	2283.9	2283.9	2315.8	2334.4	2302.5
5°	2286.6	2310.5	2310.5	2331.8	2342.4	2334.4	2310.5	2313.2	2345.1	2366.4	2334.4
7.5°	2305.2	2329.1	2334.4	2358.4	2366.4	2358.4	2334.4	2339.8	2374.3	2392.9	2361.0
10°	2313.2	2337.1	2339.8	2366.4	2377.0	2366.4	2347.7	2350.4	2387.6	2400.9	2371.7
12.5°	2331.8	2355.7	2355.7	2385.0	2395.6	2387.6	2363.7	2369.0	2406.2	2419.5	2390.3
15°	2350.4	2374.3	2374.3	2406.2	2419.5	2408.9	2390.3	2392.9	2430.2	2443.5	2419.5
17.5°	2350.4	2371.7	2371.7	2406.2	2419.5	2411.6	2390.3	2392.9	2432.8	2443.5	2419.5
20°	2315.8	2339.8	2334.4	2369.0	2382.3	2374.3	2355.7	2355.7	2395.6	2406.2	2382.3
22.5°	2260.0	2281.3	2276.0	2307.9	2323.8	2313.2	2297.2	2294.6	2334.4	2345.1	2321.2
25°	2182.9	2204.2	2198.8	2230.8	2246.7	2233.4	2214.8	2217.5	2249.4	2265.3	2244.0
27.5°	2092.5	2105.8	2097.8	2129.7	2145.7	2132.4	2113.8	2116.4	2148.3	2159.0	2143.0
30°	1970.2	1980.8	1972.8	1999.4	2010.1	2002.1	1986.1	1986.1	2015.4	2028.7	2012.7
32.5°	1824.0	1831.9	1824.0	1845.2	1866.5	1850.5	1834.6	1834.6	1866.5	1877.1	1858.5
35°	1653.8	1661.8	1656.4	1677.7	1693.7	1672.4	1659.1	1653.8	1696.3	1691.0	1680.4
37.5°	1465.0	1470.3	1454.4	1491.6	1499.6	1475.6	1465.0	1459.7	1496.9	1494.3	1483.6
40°	1252.3	1257.6	1247.0	1273.6	1276.2	1257.6	1249.6	1241.7	1278.9	1276.2	1268.3
42.5°	1026.3	1029.0	1015.7	1036.9	1042.3	1023.6	1021.0	1010.4	1044.9	1039.6	1036.9
45°	792.3	792.3	781.7	797.6	803.0	787.0	781.7	779.0	803.0	803.0	797.6
47.5°	574.3	566.3	553.0	577.0	579.6	569.0	566.3	558.4	582.3	582.3	577.0
50°	393.5	390.8	388.2	393.5	396.2	382.9	390.8	382.9	396.2	396.2	396.2
52.5°	263.2	260.6	255.2	260.6	260.6	252.6	252.6	249.9	260.6	260.6	255.2
55°	164.8	162.2	159.5	162.2	162.2	154.2	159.5	154.2	159.5	159.5	156.9
57.5°	101.0	95.7	95.7	93.1	93.1	87.7	90.4	90.4	90.4	90.4	90.4
60°	58.5	55.8	53.2	53.2	53.2	50.5	50.5	50.5	50.5	50.5	50.5
62.5°	37.2	37.2	34.6	34.6	34.6	34.6	34.6	31.9	34.6	34.6	34.6
65°	31.9	29.2	29.2	29.2	29.2	26.6	26.6	26.6	26.6	26.6	26.6
67.5°	26.6	23.9	23.9	23.9	23.9	21.3	21.3	21.3	21.3	21.3	21.3
70°	21.3	18.6	18.6	18.6	18.6	18.6	16.0	18.6	18.6	16.0	16.0
72.5°	16.0	16.0	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
75°	10.6	10.6	10.6	10.6	10.6	8.0	8.0	8.0	8.0	8.0	8.0
77.5°	8.0	8.0	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
80°	5.3	5.3	5.3	5.3	5.3	2.7	2.7	2.7	2.7	2.7	2.7
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
85°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	0.0	2.7	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: P212822

CATALOG NUMBER: LD6B40D010 EU6B30508027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9
2.5°	2339.8	2313.2	2299.9	2326.5	2337.1	2323.8	2313.2	2294.6	2313.2	2323.8	2337.1
5°	2371.7	2347.7	2337.1	2355.7	2371.7	2358.4	2350.4	2331.8	2350.4	2358.4	2371.7
7.5°	2400.9	2377.0	2363.7	2382.3	2400.9	2382.3	2374.3	2358.4	2374.3	2382.3	2400.9
10°	2411.6	2385.0	2374.3	2390.3	2408.9	2390.3	2379.6	2369.0	2379.6	2390.3	2408.9
12.5°	2430.2	2403.6	2390.3	2403.6	2422.2	2403.6	2392.9	2385.0	2392.9	2403.6	2422.2
15°	2456.8	2432.8	2416.9	2430.2	2454.1	2432.8	2419.5	2416.9	2419.5	2432.8	2454.1
17.5°	2456.8	2438.1	2422.2	2432.8	2456.8	2440.8	2422.2	2427.5	2422.2	2440.8	2456.8
20°	2422.2	2403.6	2390.3	2390.3	2424.8	2403.6	2387.6	2395.6	2387.6	2403.6	2424.8
22.5°	2361.0	2345.1	2331.8	2329.1	2363.7	2345.1	2323.8	2339.8	2323.8	2345.1	2363.7
25°	2281.3	2265.3	2254.7	2249.4	2283.9	2262.7	2244.0	2260.0	2244.0	2262.7	2283.9
27.5°	2177.6	2164.3	2153.6	2145.7	2177.6	2159.0	2140.4	2156.3	2140.4	2159.0	2177.6
30°	2044.6	2036.7	2026.0	2015.4	2047.3	2028.7	2010.1	2031.3	2010.1	2028.7	2047.3
32.5°	1890.4	1885.1	1871.8	1861.2	1893.1	1871.8	1858.5	1874.5	1858.5	1871.8	1893.1
35°	1712.3	1704.3	1696.3	1677.7	1712.3	1693.7	1693.7	1699.0	1693.7	1693.7	1712.3
37.5°	1512.9	1507.6	1496.9	1481.0	1510.2	1496.9	1491.6	1507.6	1491.6	1496.9	1510.2
40°	1289.5	1286.9	1278.9	1260.3	1292.2	1278.9	1270.9	1292.2	1270.9	1278.9	1292.2
42.5°	1055.6	1050.2	1042.3	1039.6	1055.6	1044.9	1052.9	1052.9	1052.9	1044.9	1055.6
45°	813.6	808.3	803.0	792.3	810.9	805.6	803.0	808.3	803.0	805.6	810.9
47.5°	590.3	584.9	579.6	571.6	590.3	582.3	582.3	587.6	582.3	582.3	590.3
50°	396.2	398.8	396.2	390.8	396.2	393.5	396.2	401.5	396.2	393.5	396.2
52.5°	263.2	263.2	257.9	255.2	260.6	257.9	265.9	260.6	265.9	257.9	260.6
55°	159.5	162.2	159.5	156.9	159.5	156.9	164.8	162.2	164.8	156.9	159.5
57.5°	90.4	90.4	93.1	90.4	95.7	93.1	93.1	93.1	93.1	93.1	95.7
60°	50.5	50.5	50.5	50.5	50.5	50.5	53.2	50.5	53.2	50.5	50.5
62.5°	34.6	34.6	34.6	31.9	34.6	31.9	34.6	34.6	34.6	31.9	34.6
65°	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
67.5°	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
70°	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
72.5°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
75°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
77.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	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: P212822

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9
2.5°	2326.5	2299.9	2313.2	2339.8	2302.5	2334.4	2315.8	2283.9	2283.9	2307.9	2313.2
5°	2355.7	2337.1	2347.7	2371.7	2334.4	2366.4	2345.1	2313.2	2310.5	2334.4	2342.4
7.5°	2382.3	2363.7	2377.0	2400.9	2361.0	2392.9	2374.3	2339.8	2334.4	2358.4	2366.4
10°	2390.3	2374.3	2385.0	2411.6	2371.7	2400.9	2387.6	2350.4	2347.7	2366.4	2377.0
12.5°	2403.6	2390.3	2403.6	2430.2	2390.3	2419.5	2406.2	2369.0	2363.7	2387.6	2395.6
15°	2430.2	2416.9	2432.8	2456.8	2419.5	2443.5	2430.2	2392.9	2390.3	2408.9	2419.5
17.5°	2432.8	2422.2	2438.1	2456.8	2419.5	2443.5	2432.8	2392.9	2390.3	2411.6	2419.5
20°	2390.3	2390.3	2403.6	2422.2	2382.3	2406.2	2395.6	2355.7	2355.7	2374.3	2382.3
22.5°	2329.1	2331.8	2345.1	2361.0	2321.2	2345.1	2334.4	2294.6	2297.2	2313.2	2323.8
25°	2249.4	2254.7	2265.3	2281.3	2244.0	2265.3	2249.4	2217.5	2214.8	2233.4	2246.7
27.5°	2145.7	2153.6	2164.3	2177.6	2143.0	2159.0	2148.3	2116.4	2113.8	2132.4	2145.7
30°	2015.4	2026.0	2036.7	2044.6	2012.7	2028.7	2015.4	1986.1	1986.1	2002.1	2010.1
32.5°	1861.2	1871.8	1885.1	1890.4	1858.5	1877.1	1866.5	1834.6	1834.6	1850.5	1866.5
35°	1677.7	1696.3	1704.3	1712.3	1680.4	1691.0	1696.3	1653.8	1659.1	1672.4	1693.7
37.5°	1481.0	1496.9	1507.6	1512.9	1483.6	1494.3	1496.9	1459.7	1465.0	1475.6	1499.6
40°	1260.3	1278.9	1286.9	1289.5	1268.3	1276.2	1278.9	1241.7	1249.6	1257.6	1276.2
42.5°	1039.6	1042.3	1050.2	1055.6	1036.9	1039.6	1044.9	1010.4	1021.0	1023.6	1042.3
45°	792.3	803.0	808.3	813.6	797.6	803.0	803.0	779.0	781.7	787.0	803.0
47.5°	571.6	579.6	584.9	590.3	577.0	582.3	582.3	558.4	566.3	569.0	579.6
50°	390.8	396.2	398.8	396.2	396.2	396.2	396.2	382.9	390.8	382.9	396.2
52.5°	255.2	257.9	263.2	263.2	255.2	260.6	260.6	249.9	252.6	252.6	260.6
55°	156.9	159.5	162.2	159.5	156.9	159.5	159.5	154.2	159.5	154.2	162.2
57.5°	90.4	93.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	87.7	93.1
60°	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	53.2
62.5°	31.9	34.6	34.6	34.6	34.6	34.6	34.6	31.9	34.6	34.6	34.6
65°	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	29.2
67.5°	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	23.9
70°	16.0	16.0	16.0	16.0	16.0	16.0	18.6	18.6	16.0	18.6	18.6
72.5°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
75°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	10.6
77.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.3
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	2.7	0.0	2.7
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: P212822

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9
2.5°	2310.5	2289.2	2289.2	2265.3	2286.6	2289.2	2262.7	2254.7	2283.9	2252.0	2268.0
5°	2331.8	2310.5	2310.5	2286.6	2302.5	2302.5	2276.0	2262.7	2291.9	2260.0	2273.3
7.5°	2358.4	2334.4	2329.1	2305.2	2318.5	2321.2	2289.2	2270.6	2299.9	2262.7	2276.0
10°	2366.4	2339.8	2337.1	2313.2	2323.8	2326.5	2289.2	2273.3	2297.2	2257.3	2265.3
12.5°	2385.0	2355.7	2355.7	2331.8	2339.8	2339.8	2302.5	2281.3	2302.5	2262.7	2268.0
15°	2406.2	2374.3	2374.3	2350.4	2355.7	2358.4	2313.2	2291.9	2310.5	2268.0	2273.3
17.5°	2406.2	2371.7	2371.7	2350.4	2353.1	2350.4	2307.9	2283.9	2297.2	2252.0	2254.7
20°	2369.0	2334.4	2339.8	2315.8	2318.5	2315.8	2270.6	2246.7	2260.0	2212.1	2217.5
22.5°	2307.9	2276.0	2281.3	2260.0	2260.0	2257.3	2214.8	2190.9	2204.2	2156.3	2159.0
25°	2230.8	2198.8	2204.2	2182.9	2185.6	2185.6	2143.0	2116.4	2129.7	2087.2	2087.2
27.5°	2129.7	2097.8	2105.8	2092.5	2084.5	2087.2	2050.0	2023.4	2036.7	1996.8	1996.8
30°	1999.4	1972.8	1980.8	1970.2	1962.2	1962.2	1930.3	1903.7	1917.0	1882.4	1879.8
32.5°	1845.2	1824.0	1831.9	1824.0	1816.0	1824.0	1789.4	1762.8	1776.1	1749.5	1752.2
35°	1677.7	1656.4	1661.8	1653.8	1648.5	1653.8	1619.2	1600.6	1613.9	1587.3	1598.0
37.5°	1491.6	1454.4	1470.3	1465.0	1459.7	1462.4	1430.4	1417.2	1433.1	1417.2	1425.1
40°	1273.6	1247.0	1257.6	1252.3	1247.0	1260.3	1236.4	1217.7	1231.0	1220.4	1236.4
42.5°	1036.9	1015.7	1029.0	1026.3	1018.3	1034.3	1015.7	1002.4	1023.6	1018.3	1031.6
45°	797.6	781.7	792.3	792.3	789.7	803.0	784.4	787.0	808.3	816.3	832.2
47.5°	577.0	553.0	566.3	574.3	574.3	587.6	577.0	587.6	611.5	627.5	640.8
50°	393.5	388.2	390.8	393.5	398.8	409.5	406.8	422.8	438.7	465.3	481.2
52.5°	260.6	255.2	260.6	263.2	268.5	279.2	279.2	297.8	316.4	340.3	358.9
55°	162.2	159.5	162.2	164.8	170.2	180.8	183.5	202.1	220.7	244.6	260.6
57.5°	93.1	95.7	95.7	101.0	103.7	111.7	119.6	130.3	151.6	175.5	191.4
60°	53.2	53.2	55.8	58.5	61.2	69.1	74.4	85.1	101.0	125.0	135.6
62.5°	34.6	34.6	37.2	37.2	39.9	45.2	50.5	61.2	74.4	93.1	103.7
65°	29.2	29.2	29.2	31.9	31.9	37.2	42.5	50.5	61.2	74.4	85.1
67.5°	23.9	23.9	23.9	26.6	26.6	29.2	34.6	39.9	47.9	58.5	66.5
70°	18.6	18.6	18.6	21.3	21.3	23.9	26.6	29.2	37.2	45.2	50.5
72.5°	13.3	13.3	16.0	16.0	16.0	18.6	21.3	23.9	29.2	34.6	37.2
75°	10.6	10.6	10.6	10.6	13.3	13.3	16.0	18.6	21.3	23.9	26.6
77.5°	5.3	5.3	8.0	8.0	8.0	10.6	10.6	13.3	16.0	18.6	18.6
80°	5.3	5.3	5.3	5.3	5.3	8.0	8.0	8.0	10.6	13.3	13.3
82.5°	2.7	2.7	2.7	2.7	2.7	5.3	5.3	5.3	8.0	8.0	8.0
85°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.3	5.3	5.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
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: P212822

CATALOG NUMBER: LD6B40D010 EU6B30508027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9
2.5°	2249.4	2257.3	2257.3	2249.4	2228.1	2246.7	2265.3	2246.7	2270.6	2228.1	2228.1
5°	2249.4	2254.7	2252.0	2241.4	2220.1	2236.1	2249.4	2230.8	2249.4	2209.5	2206.8
7.5°	2254.7	2249.4	2244.0	2230.8	2204.2	2214.8	2228.1	2206.8	2225.4	2182.9	2177.6
10°	2244.0	2236.1	2225.4	2206.8	2177.6	2185.6	2193.5	2174.9	2188.2	2145.7	2143.0
12.5°	2244.0	2230.8	2214.8	2193.5	2161.6	2166.9	2174.9	2151.0	2161.6	2121.7	2116.4
15°	2249.4	2225.4	2206.8	2182.9	2148.3	2151.0	2156.3	2129.7	2140.4	2097.8	2095.2
17.5°	2230.8	2204.2	2185.6	2156.3	2119.1	2121.7	2121.7	2095.2	2103.1	2060.6	2057.9
20°	2190.9	2159.0	2137.7	2111.1	2071.2	2071.2	2071.2	2044.6	2050.0	2012.7	2007.4
22.5°	2135.0	2100.5	2079.2	2052.6	2015.4	2012.7	2010.1	1988.8	1988.8	1954.2	1946.3
25°	2060.6	2028.7	2007.4	1983.5	1946.3	1940.9	1940.9	1922.3	1919.7	1887.8	1882.4
27.5°	1975.5	1938.3	1919.7	1898.4	1863.8	1858.5	1855.9	1845.2	1839.9	1805.3	1802.7
30°	1861.2	1829.3	1813.3	1794.7	1762.8	1757.5	1754.8	1744.2	1741.5	1707.0	1707.0
32.5°	1738.9	1699.0	1688.4	1669.7	1645.8	1643.2	1645.8	1632.5	1621.9	1598.0	1592.6
35°	1592.6	1552.8	1544.8	1536.8	1518.2	1512.9	1510.2	1507.6	1494.3	1478.3	1470.3
37.5°	1422.5	1387.9	1387.9	1385.2	1372.0	1372.0	1372.0	1366.6	1353.3	1348.0	1332.1
40°	1239.0	1212.4	1215.1	1217.7	1212.4	1215.1	1217.7	1212.4	1201.8	1196.5	1183.2
42.5°	1042.3	1029.0	1039.6	1047.6	1047.6	1055.6	1060.9	1060.9	1047.6	1044.9	1034.3
45°	845.5	842.8	864.1	880.1	885.4	898.7	906.7	901.3	901.3	901.3	890.7
47.5°	662.0	672.7	691.3	723.2	733.8	749.8	755.1	763.1	760.4	763.1	755.1
50°	502.5	526.4	550.4	582.3	598.2	616.8	624.8	635.5	635.5	638.1	632.8
52.5°	380.2	398.8	438.7	460.0	478.6	497.2	507.8	518.5	521.1	521.1	515.8
55°	281.8	308.4	335.0	364.3	380.2	398.8	406.8	417.4	417.4	422.8	417.4
57.5°	204.7	231.3	260.6	281.8	300.4	313.7	321.7	329.7	335.0	335.0	332.4
60°	151.6	172.8	196.8	218.0	234.0	247.3	252.6	260.6	263.2	263.2	257.9
62.5°	114.3	135.6	156.9	175.5	186.1	196.8	202.1	207.4	207.4	207.4	204.7
65°	93.1	109.0	125.0	140.9	151.6	159.5	162.2	167.5	164.8	167.5	164.8
67.5°	74.4	85.1	98.4	109.0	117.0	122.3	125.0	130.3	127.6	130.3	127.6
70°	55.8	66.5	74.4	82.4	87.7	93.1	95.7	98.4	95.7	98.4	95.7
72.5°	42.5	47.9	55.8	63.8	66.5	69.1	71.8	71.8	71.8	74.4	71.8
75°	29.2	34.6	39.9	42.5	47.9	50.5	50.5	53.2	53.2	53.2	53.2
77.5°	21.3	23.9	26.6	29.2	31.9	34.6	34.6	37.2	37.2	37.2	37.2
80°	13.3	16.0	16.0	18.6	21.3	21.3	23.9	23.9	23.9	23.9	23.9
82.5°	8.0	10.6	10.6	13.3	13.3	13.3	16.0	16.0	16.0	16.0	16.0
85°	5.3	5.3	5.3	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
87.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.3	5.3	2.7	2.7
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: P212822

CATALOG NUMBER: LD6B40D010 EU6B30508027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2283.9	2283.9	2283.9	2283.9
2.5°	2249.4	2236.1	2257.3	2225.4
5°	2225.4	2212.1	2238.7	2198.8
7.5°	2196.2	2182.9	2206.8	2166.9
10°	2159.0	2145.7	2166.9	2124.4
12.5°	2127.1	2113.8	2137.7	2097.8
15°	2103.1	2089.8	2111.1	2073.9
17.5°	2065.9	2050.0	2073.9	2034.0
20°	2012.7	2002.1	2020.7	1980.8
22.5°	1951.6	1940.9	1962.2	1922.3
25°	1887.8	1874.5	1895.7	1855.9
27.5°	1805.3	1794.7	1816.0	1776.1
30°	1707.0	1696.3	1717.6	1680.4
32.5°	1595.3	1584.7	1600.6	1568.7
35°	1467.7	1459.7	1475.6	1441.1
37.5°	1329.4	1321.4	1337.4	1302.8
40°	1180.5	1172.5	1185.8	1169.9
42.5°	1034.3	1026.3	1039.6	1026.3
45°	890.7	885.4	898.7	885.4
47.5°	757.8	752.4	765.7	752.4
50°	630.1	632.8	638.1	632.8
52.5°	515.8	515.8	523.8	515.8
55°	417.4	420.1	422.8	417.4
57.5°	332.4	332.4	335.0	332.4
60°	257.9	260.6	260.6	257.9
62.5°	204.7	204.7	204.7	204.7
65°	162.2	162.2	164.8	162.2
67.5°	127.6	125.0	127.6	125.0
70°	95.7	95.7	95.7	95.7
72.5°	74.4	74.4	71.8	71.8
75°	53.2	55.8	53.2	53.2
77.5°	37.2	37.2	37.2	37.2
80°	23.9	23.9	23.9	23.9
82.5°	16.0	16.0	16.0	16.0
85°	10.6	8.0	8.0	8.0
87.5°	5.3	2.7	2.7	2.7
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)