

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: P212832

Luminaire Tested: **LD6B40D010 EU6B30509050 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212832
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 EU6B30509050 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3478.9 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

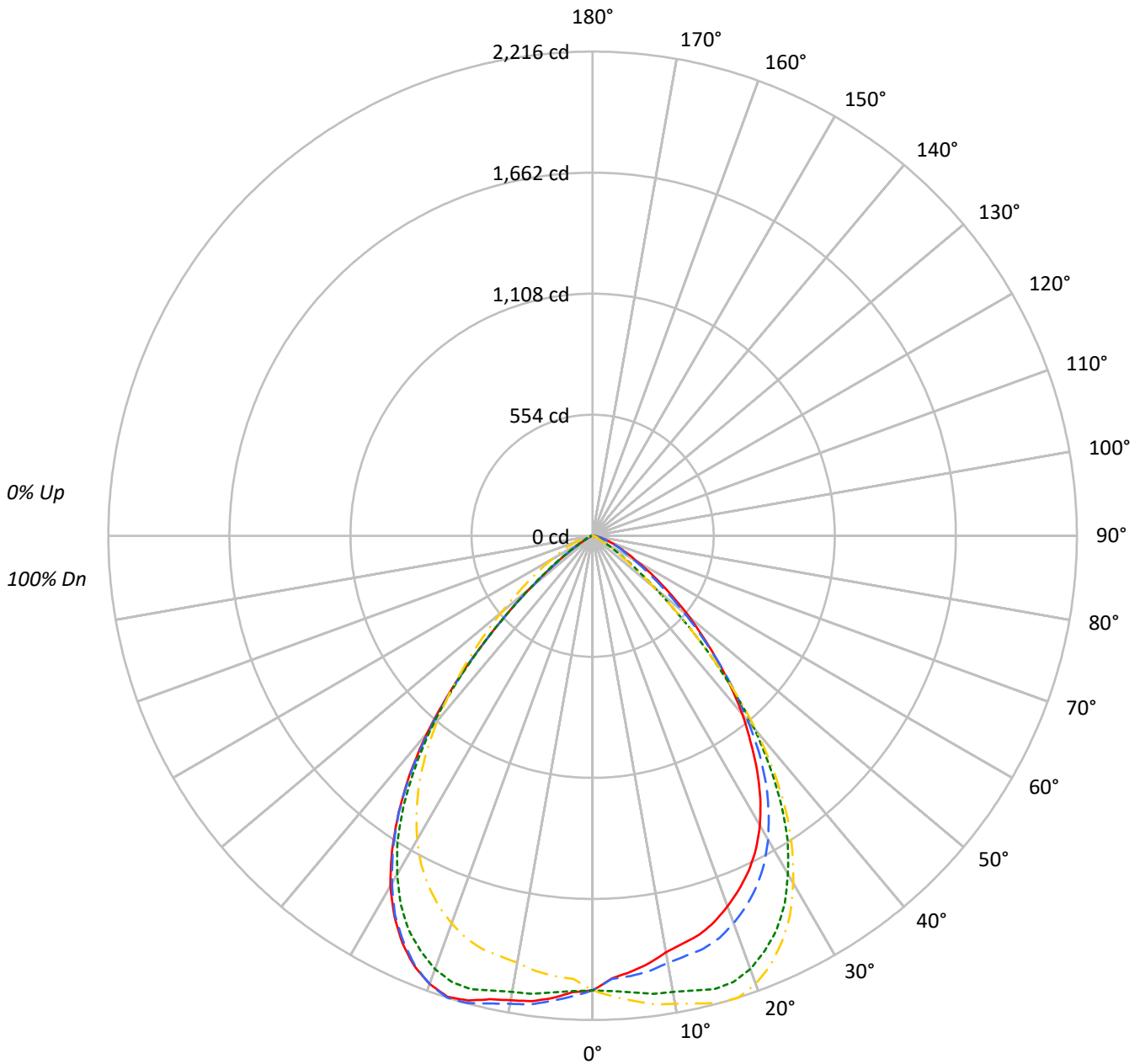
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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°	114070	114070	114070	114070
5°	110241	115436	116905	115436
10°	107736	117984	120144	117984
15°	107231	121942	124967	121942
20°	105277	123088	127324	123088
25°	102272	120442	124543	120442
30°	96907	113163	117151	113163
35°	87863	100833	103590	100833
40°	76271	82168	84251	82168
45°	62534	56711	57091	56711
50°	49167	31811	31197	31811
55°	36348	15741	14126	15741
60°	25765	6907	5043	6907
65°	19172	4397	3139	4397
70°	13977	3494	2324	3494
75°	10252	2563	1546	2563
80°	6882	2305	758	2305
85°	4592	1510	1510	1510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.2	5.7
10°-20°	590.0	17.0
20°-30°	880.4	25.3
30°-40°	904.6	26.0
40°-50°	585.8	16.8
50°-60°	217.8	6.3
60°-70°	71.5	2.1
70°-80°	25.2	0.7
80°-90°	4.5	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°	1669.6	48.0
0°-40°	2574.1	74.0
0°-60°	3377.7	97.1
0°-90°	3478.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3478.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2081	2081	2081	2081	2081	
5°	2003	2098	2124	2098	2003	189
15°	1889	2149	2202	2149	1889	531
25°	1691	1991	2059	1991	1691	775
35°	1313	1507	1548	1507	1313	815
45°	807	732	736	732	807	624
55°	380	165	148	165	380	347
65°	148	34	24	34	148	150
75°	48	12	7	12	48	53
85°	7	2	2	2	7	10
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°	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8
2.5°	2027.5	2056.6	2037.2	2049.3	2029.9	2029.9	2068.7	2046.9	2063.8	2046.9	2029.9
5°	2003.3	2039.6	2015.4	2027.5	2010.5	2013.0	2049.3	2032.3	2049.3	2037.2	2022.7
7.5°	1974.2	2010.5	1988.7	2000.9	1983.9	1988.7	2027.5	2010.5	2029.9	2017.8	2008.1
10°	1935.4	1974.2	1954.8	1966.9	1952.4	1954.8	1993.6	1981.5	1998.4	1991.2	1983.9
12.5°	1911.2	1947.6	1925.8	1937.9	1928.2	1933.0	1969.4	1959.7	1981.5	1974.2	1969.4
15°	1889.4	1923.3	1904.0	1916.1	1908.8	1911.2	1950.0	1940.3	1964.5	1959.7	1957.3
17.5°	1853.1	1889.4	1867.6	1882.2	1874.9	1877.3	1916.1	1908.8	1933.0	1933.0	1930.6
20°	1804.6	1841.0	1824.0	1833.7	1828.9	1833.7	1867.6	1862.8	1887.0	1887.0	1887.0
22.5°	1751.4	1787.7	1768.3	1778.0	1773.2	1780.4	1811.9	1811.9	1831.3	1833.7	1836.1
25°	1690.8	1727.1	1707.7	1719.9	1715.0	1719.9	1748.9	1751.4	1768.3	1768.3	1773.2
27.5°	1618.1	1654.5	1635.1	1644.8	1642.3	1644.8	1676.3	1681.1	1690.8	1693.2	1698.1
30°	1530.9	1564.8	1545.5	1555.1	1555.1	1555.1	1586.6	1589.1	1598.7	1601.2	1606.0
32.5°	1429.2	1458.2	1443.7	1453.4	1451.0	1455.8	1477.6	1487.3	1499.4	1497.0	1499.4
35°	1312.9	1344.4	1329.9	1337.1	1339.6	1346.8	1361.4	1373.5	1375.9	1378.3	1383.2
37.5°	1186.9	1218.4	1203.9	1211.2	1213.6	1228.1	1233.0	1245.1	1249.9	1249.9	1249.9
40°	1065.8	1080.4	1068.3	1075.5	1077.9	1090.1	1094.9	1104.6	1109.4	1107.0	1104.6
42.5°	935.0	947.1	935.0	942.3	942.3	952.0	954.4	966.5	966.5	961.7	954.4
45°	806.6	818.8	806.6	811.5	811.5	821.2	821.2	821.2	826.0	818.8	806.6
47.5°	685.5	697.6	685.5	690.4	687.9	695.2	692.8	695.2	687.9	683.1	668.6
50°	576.5	581.4	576.5	574.1	576.5	581.4	578.9	578.9	569.2	562.0	545.0
52.5°	469.9	477.2	469.9	469.9	469.9	474.8	474.8	472.4	462.7	453.0	436.0
55°	380.3	385.2	382.7	380.3	380.3	385.2	380.3	380.3	370.6	363.4	346.4
57.5°	302.8	305.2	302.8	302.8	302.8	305.2	305.2	300.4	293.1	285.8	273.7
60°	235.0	237.4	237.4	235.0	235.0	239.8	239.8	237.4	230.1	225.3	213.2
62.5°	186.5	186.5	186.5	186.5	186.5	188.9	188.9	188.9	184.1	179.3	169.6
65°	147.8	150.2	147.8	147.8	150.2	152.6	150.2	152.6	147.8	145.3	138.1
67.5°	113.8	116.3	113.8	116.3	116.3	118.7	116.3	118.7	113.8	111.4	106.6
70°	87.2	87.2	87.2	87.2	87.2	89.6	87.2	89.6	87.2	84.8	79.9
72.5°	65.4	65.4	67.8	67.8	65.4	67.8	65.4	65.4	65.4	63.0	60.6
75°	48.4	48.4	50.9	48.4	48.4	48.4	48.4	48.4	46.0	46.0	43.6
77.5°	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	31.5	31.5	29.1
80°	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	19.4	19.4
82.5°	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	12.1	12.1
85°	7.3	7.3	7.3	9.7	7.3	7.3	7.3	7.3	7.3	7.3	7.3
87.5°	2.4	2.4	2.4	4.8	2.4	2.4	4.8	4.8	2.4	2.4	2.4
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°	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8
2.5°	2049.3	2056.6	2056.6	2049.3	2066.3	2051.7	2080.8	2054.1	2061.4	2085.6	2083.2
5°	2042.0	2051.7	2054.1	2049.3	2071.1	2059.0	2088.1	2061.4	2073.5	2097.7	2097.7
7.5°	2032.3	2044.5	2049.3	2054.1	2073.5	2061.4	2095.3	2068.7	2085.6	2114.7	2112.3
10°	2010.5	2027.5	2037.2	2044.5	2063.8	2056.6	2092.9	2071.1	2085.6	2119.5	2117.1
12.5°	1998.4	2017.8	2032.3	2044.5	2066.3	2061.4	2097.7	2078.4	2097.7	2131.7	2131.7
15°	1988.7	2010.5	2027.5	2049.3	2071.1	2066.3	2105.0	2088.1	2107.4	2148.6	2146.2
17.5°	1964.5	1991.2	2008.1	2032.3	2054.1	2051.7	2092.9	2080.8	2102.6	2141.3	2143.8
20°	1923.3	1947.6	1966.9	1996.0	2020.2	2015.4	2059.0	2046.9	2068.7	2109.9	2112.3
22.5°	1870.0	1894.3	1913.6	1945.1	1966.9	1964.5	2008.1	1996.0	2017.8	2056.6	2059.0
25°	1807.1	1828.9	1848.2	1877.3	1901.5	1901.5	1940.3	1928.2	1952.4	1991.2	1991.2
27.5°	1729.6	1748.9	1765.9	1799.8	1819.2	1819.2	1855.5	1843.4	1867.6	1901.5	1899.1
30°	1635.1	1652.0	1666.6	1695.6	1712.6	1715.0	1746.5	1734.4	1758.6	1787.7	1787.7
32.5°	1521.2	1538.2	1547.9	1584.2	1596.3	1593.9	1618.1	1606.0	1630.2	1661.7	1654.5
35°	1400.1	1407.4	1414.6	1451.0	1455.8	1446.1	1470.4	1458.2	1475.2	1506.7	1501.9
37.5°	1262.0	1264.5	1264.5	1296.0	1298.4	1291.1	1305.6	1291.1	1303.2	1332.3	1329.9
40°	1109.4	1107.0	1104.6	1128.8	1126.4	1111.9	1121.5	1109.4	1126.4	1148.2	1136.1
42.5°	954.4	947.1	937.4	949.6	939.9	927.8	932.6	913.2	925.3	942.3	927.8
45°	801.8	787.3	767.9	770.3	758.2	743.7	736.4	717.0	714.6	731.5	719.4
47.5°	658.9	629.8	612.9	603.2	583.8	571.7	557.1	535.3	525.6	535.3	523.2
50°	530.5	501.4	479.6	457.8	438.4	423.9	399.7	385.2	370.6	373.0	363.4
52.5°	419.1	399.7	363.4	346.4	327.0	310.1	288.3	271.3	254.3	254.3	244.7
55°	331.9	305.2	281.0	256.8	237.4	222.9	201.1	184.1	167.1	164.7	155.0
57.5°	256.8	237.4	210.7	186.5	174.4	159.9	138.1	118.7	109.0	101.7	94.5
60°	198.6	179.3	157.5	138.1	123.5	113.8	92.0	77.5	67.8	63.0	55.7
62.5°	159.9	142.9	123.5	104.2	94.5	84.8	67.8	55.7	46.0	41.2	36.3
65°	128.4	113.8	99.3	84.8	77.5	67.8	55.7	46.0	38.8	33.9	29.1
67.5°	99.3	89.6	77.5	67.8	60.6	53.3	43.6	36.3	31.5	26.6	24.2
70°	75.1	67.8	60.6	50.9	46.0	41.2	33.9	26.6	24.2	21.8	19.4
72.5°	58.1	50.9	43.6	38.8	33.9	31.5	26.6	21.8	19.4	17.0	14.5
75°	38.8	36.3	31.5	26.6	24.2	21.8	19.4	17.0	14.5	12.1	12.1
77.5°	26.6	24.2	21.8	19.4	17.0	17.0	14.5	12.1	9.7	9.7	7.3
80°	17.0	14.5	14.5	12.1	12.1	12.1	9.7	7.3	7.3	7.3	4.8
82.5°	12.1	9.7	9.7	7.3	7.3	7.3	7.3	4.8	4.8	4.8	2.4
85°	7.3	4.8	4.8	4.8	4.8	4.8	4.8	2.4	2.4	2.4	2.4
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	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°	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8
2.5°	2063.8	2085.6	2085.6	2105.0	2107.4	2102.6	2080.8	2080.8	2109.9	2126.8	2097.7
5°	2083.2	2105.0	2105.0	2124.4	2134.1	2126.8	2105.0	2107.4	2136.5	2155.9	2126.8
7.5°	2100.2	2122.0	2126.8	2148.6	2155.9	2148.6	2126.8	2131.7	2163.1	2180.1	2151.0
10°	2107.4	2129.2	2131.7	2155.9	2165.6	2155.9	2138.9	2141.3	2175.3	2187.4	2160.7
12.5°	2124.4	2146.2	2146.2	2172.8	2182.5	2175.3	2153.5	2158.3	2192.2	2204.3	2177.7
15°	2141.3	2163.1	2163.1	2192.2	2204.3	2194.6	2177.7	2180.1	2214.0	2226.1	2204.3
17.5°	2141.3	2160.7	2160.7	2192.2	2204.3	2197.1	2177.7	2180.1	2216.4	2226.1	2204.3
20°	2109.9	2131.7	2126.8	2158.3	2170.4	2163.1	2146.2	2146.2	2182.5	2192.2	2170.4
22.5°	2059.0	2078.4	2073.5	2102.6	2117.1	2107.4	2092.9	2090.5	2126.8	2136.5	2114.7
25°	1988.7	2008.1	2003.3	2032.3	2046.9	2034.8	2017.8	2020.2	2049.3	2063.8	2044.5
27.5°	1906.4	1918.5	1911.2	1940.3	1954.8	1942.7	1925.8	1928.2	1957.3	1966.9	1952.4
30°	1795.0	1804.6	1797.4	1821.6	1831.3	1824.0	1809.5	1809.5	1836.1	1848.2	1833.7
32.5°	1661.7	1669.0	1661.7	1681.1	1700.5	1685.9	1671.4	1671.4	1700.5	1710.2	1693.2
35°	1506.7	1514.0	1509.1	1528.5	1543.0	1523.7	1511.5	1506.7	1545.5	1540.6	1530.9
37.5°	1334.7	1339.6	1325.0	1358.9	1366.2	1344.4	1334.7	1329.9	1363.8	1361.4	1351.7
40°	1140.9	1145.8	1136.1	1160.3	1162.7	1145.8	1138.5	1131.2	1165.1	1162.7	1155.5
42.5°	935.0	937.4	925.3	944.7	949.6	932.6	930.2	920.5	952.0	947.1	944.7
45°	721.9	721.9	712.2	726.7	731.5	717.0	712.2	709.7	731.5	731.5	726.7
47.5°	523.2	516.0	503.8	525.6	528.1	518.4	516.0	508.7	530.5	530.5	525.6
50°	358.5	356.1	353.7	358.5	360.9	348.8	356.1	348.8	360.9	360.9	360.9
52.5°	239.8	237.4	232.5	237.4	237.4	230.1	230.1	227.7	237.4	237.4	232.5
55°	150.2	147.8	145.3	147.8	147.8	140.5	145.3	140.5	145.3	145.3	142.9
57.5°	92.0	87.2	87.2	84.8	84.8	79.9	82.4	82.4	82.4	82.4	82.4
60°	53.3	50.9	48.4	48.4	48.4	46.0	46.0	46.0	46.0	46.0	46.0
62.5°	33.9	33.9	31.5	31.5	31.5	31.5	31.5	29.1	31.5	31.5	31.5
65°	29.1	26.6	26.6	26.6	26.6	24.2	24.2	24.2	24.2	24.2	24.2
67.5°	24.2	21.8	21.8	21.8	21.8	19.4	19.4	19.4	19.4	19.4	19.4
70°	19.4	17.0	17.0	17.0	17.0	17.0	14.5	17.0	17.0	14.5	14.5
72.5°	14.5	14.5	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
75°	9.7	9.7	9.7	9.7	9.7	7.3	7.3	7.3	7.3	7.3	7.3
77.5°	7.3	7.3	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
80°	4.8	4.8	4.8	4.8	4.8	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	2.4	2.4	2.4	2.4	2.4	0.0	2.4	0.0	2.4	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: P212832

CATALOG NUMBER: LD6B40D010 EU6B30509050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8
2.5°	2131.7	2107.4	2095.3	2119.5	2129.2	2117.1	2107.4	2090.5	2107.4	2117.1	2129.2
5°	2160.7	2138.9	2129.2	2146.2	2160.7	2148.6	2141.3	2124.4	2141.3	2148.6	2160.7
7.5°	2187.4	2165.6	2153.5	2170.4	2187.4	2170.4	2163.1	2148.6	2163.1	2170.4	2187.4
10°	2197.1	2172.8	2163.1	2177.7	2194.6	2177.7	2168.0	2158.3	2168.0	2177.7	2194.6
12.5°	2214.0	2189.8	2177.7	2189.8	2206.8	2189.8	2180.1	2172.8	2180.1	2189.8	2206.8
15°	2238.2	2216.4	2201.9	2214.0	2235.8	2216.4	2204.3	2201.9	2204.3	2216.4	2235.8
17.5°	2238.2	2221.3	2206.8	2216.4	2238.2	2223.7	2206.8	2211.6	2206.8	2223.7	2238.2
20°	2206.8	2189.8	2177.7	2177.7	2209.2	2189.8	2175.3	2182.5	2175.3	2189.8	2209.2
22.5°	2151.0	2136.5	2124.4	2122.0	2153.5	2136.5	2117.1	2131.7	2117.1	2136.5	2153.5
25°	2078.4	2063.8	2054.1	2049.3	2080.8	2061.4	2044.5	2059.0	2044.5	2061.4	2080.8
27.5°	1983.9	1971.8	1962.1	1954.8	1983.9	1966.9	1950.0	1964.5	1950.0	1966.9	1983.9
30°	1862.8	1855.5	1845.8	1836.1	1865.2	1848.2	1831.3	1850.7	1831.3	1848.2	1865.2
32.5°	1722.3	1717.4	1705.3	1695.6	1724.7	1705.3	1693.2	1707.7	1693.2	1705.3	1724.7
35°	1560.0	1552.7	1545.5	1528.5	1560.0	1543.0	1543.0	1547.9	1543.0	1543.0	1560.0
37.5°	1378.3	1373.5	1363.8	1349.2	1375.9	1363.8	1358.9	1373.5	1358.9	1363.8	1375.9
40°	1174.8	1172.4	1165.1	1148.2	1177.3	1165.1	1157.9	1177.3	1157.9	1165.1	1177.3
42.5°	961.7	956.8	949.6	947.1	961.7	952.0	959.2	959.2	959.2	952.0	961.7
45°	741.2	736.4	731.5	721.9	738.8	734.0	731.5	736.4	731.5	734.0	738.8
47.5°	537.8	532.9	528.1	520.8	537.8	530.5	530.5	535.3	530.5	530.5	537.8
50°	360.9	363.4	360.9	356.1	360.9	358.5	360.9	365.8	360.9	358.5	360.9
52.5°	239.8	239.8	235.0	232.5	237.4	235.0	242.2	237.4	242.2	235.0	237.4
55°	145.3	147.8	145.3	142.9	145.3	142.9	150.2	147.8	150.2	142.9	145.3
57.5°	82.4	82.4	84.8	82.4	87.2	84.8	84.8	84.8	84.8	84.8	87.2
60°	46.0	46.0	46.0	46.0	46.0	46.0	48.4	46.0	48.4	46.0	46.0
62.5°	31.5	31.5	31.5	29.1	31.5	29.1	31.5	31.5	31.5	29.1	31.5
65°	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
67.5°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
70°	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
72.5°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
75°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
77.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	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



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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8
2.5°	2119.5	2095.3	2107.4	2131.7	2097.7	2126.8	2109.9	2080.8	2080.8	2102.6	2107.4
5°	2146.2	2129.2	2138.9	2160.7	2126.8	2155.9	2136.5	2107.4	2105.0	2126.8	2134.1
7.5°	2170.4	2153.5	2165.6	2187.4	2151.0	2180.1	2163.1	2131.7	2126.8	2148.6	2155.9
10°	2177.7	2163.1	2172.8	2197.1	2160.7	2187.4	2175.3	2141.3	2138.9	2155.9	2165.6
12.5°	2189.8	2177.7	2189.8	2214.0	2177.7	2204.3	2192.2	2158.3	2153.5	2175.3	2182.5
15°	2214.0	2201.9	2216.4	2238.2	2204.3	2226.1	2214.0	2180.1	2177.7	2194.6	2204.3
17.5°	2216.4	2206.8	2221.3	2238.2	2204.3	2226.1	2216.4	2180.1	2177.7	2197.1	2204.3
20°	2177.7	2177.7	2189.8	2206.8	2170.4	2192.2	2182.5	2146.2	2146.2	2163.1	2170.4
22.5°	2122.0	2124.4	2136.5	2151.0	2114.7	2136.5	2126.8	2090.5	2092.9	2107.4	2117.1
25°	2049.3	2054.1	2063.8	2078.4	2044.5	2063.8	2049.3	2020.2	2017.8	2034.8	2046.9
27.5°	1954.8	1962.1	1971.8	1983.9	1952.4	1966.9	1957.3	1928.2	1925.8	1942.7	1954.8
30°	1836.1	1845.8	1855.5	1862.8	1833.7	1848.2	1836.1	1809.5	1809.5	1824.0	1831.3
32.5°	1695.6	1705.3	1717.4	1722.3	1693.2	1710.2	1700.5	1671.4	1671.4	1685.9	1700.5
35°	1528.5	1545.5	1552.7	1560.0	1530.9	1540.6	1545.5	1506.7	1511.5	1523.7	1543.0
37.5°	1349.2	1363.8	1373.5	1378.3	1351.7	1361.4	1363.8	1329.9	1334.7	1344.4	1366.2
40°	1148.2	1165.1	1172.4	1174.8	1155.5	1162.7	1165.1	1131.2	1138.5	1145.8	1162.7
42.5°	947.1	949.6	956.8	961.7	944.7	947.1	952.0	920.5	930.2	932.6	949.6
45°	721.9	731.5	736.4	741.2	726.7	731.5	731.5	709.7	712.2	717.0	731.5
47.5°	520.8	528.1	532.9	537.8	525.6	530.5	530.5	508.7	516.0	518.4	528.1
50°	356.1	360.9	363.4	360.9	360.9	360.9	360.9	348.8	356.1	348.8	360.9
52.5°	232.5	235.0	239.8	239.8	232.5	237.4	237.4	227.7	230.1	230.1	237.4
55°	142.9	145.3	147.8	145.3	142.9	145.3	145.3	140.5	145.3	140.5	147.8
57.5°	82.4	84.8	82.4	82.4	82.4	82.4	82.4	82.4	82.4	79.9	84.8
60°	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	48.4
62.5°	29.1	31.5	31.5	31.5	31.5	31.5	31.5	29.1	31.5	31.5	31.5
65°	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	26.6
67.5°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	21.8
70°	14.5	14.5	14.5	14.5	14.5	14.5	17.0	17.0	14.5	17.0	17.0
72.5°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
75°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	9.7
77.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.8
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	2.4	0.0	2.4
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



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8
2.5°	2105.0	2085.6	2085.6	2063.8	2083.2	2085.6	2061.4	2054.1	2080.8	2051.7	2066.3
5°	2124.4	2105.0	2105.0	2083.2	2097.7	2097.7	2073.5	2061.4	2088.1	2059.0	2071.1
7.5°	2148.6	2126.8	2122.0	2100.2	2112.3	2114.7	2085.6	2068.7	2095.3	2061.4	2073.5
10°	2155.9	2131.7	2129.2	2107.4	2117.1	2119.5	2085.6	2071.1	2092.9	2056.6	2063.8
12.5°	2172.8	2146.2	2146.2	2124.4	2131.7	2131.7	2097.7	2078.4	2097.7	2061.4	2066.3
15°	2192.2	2163.1	2163.1	2141.3	2146.2	2148.6	2107.4	2088.1	2105.0	2066.3	2071.1
17.5°	2192.2	2160.7	2160.7	2141.3	2143.8	2141.3	2102.6	2080.8	2092.9	2051.7	2054.1
20°	2158.3	2126.8	2131.7	2109.9	2112.3	2109.9	2068.7	2046.9	2059.0	2015.4	2020.2
22.5°	2102.6	2073.5	2078.4	2059.0	2059.0	2056.6	2017.8	1996.0	2008.1	1964.5	1966.9
25°	2032.3	2003.3	2008.1	1988.7	1991.2	1991.2	1952.4	1928.2	1940.3	1901.5	1901.5
27.5°	1940.3	1911.2	1918.5	1906.4	1899.1	1901.5	1867.6	1843.4	1855.5	1819.2	1819.2
30°	1821.6	1797.4	1804.6	1795.0	1787.7	1787.7	1758.6	1734.4	1746.5	1715.0	1712.6
32.5°	1681.1	1661.7	1669.0	1661.7	1654.5	1661.7	1630.2	1606.0	1618.1	1593.9	1596.3
35°	1528.5	1509.1	1514.0	1506.7	1501.9	1506.7	1475.2	1458.2	1470.4	1446.1	1455.8
37.5°	1358.9	1325.0	1339.6	1334.7	1329.9	1332.3	1303.2	1291.1	1305.6	1291.1	1298.4
40°	1160.3	1136.1	1145.8	1140.9	1136.1	1148.2	1126.4	1109.4	1121.5	1111.9	1126.4
42.5°	944.7	925.3	937.4	935.0	927.8	942.3	925.3	913.2	932.6	927.8	939.9
45°	726.7	712.2	721.9	721.9	719.4	731.5	714.6	717.0	736.4	743.7	758.2
47.5°	525.6	503.8	516.0	523.2	523.2	535.3	525.6	535.3	557.1	571.7	583.8
50°	358.5	353.7	356.1	358.5	363.4	373.0	370.6	385.2	399.7	423.9	438.4
52.5°	237.4	232.5	237.4	239.8	244.7	254.3	254.3	271.3	288.3	310.1	327.0
55°	147.8	145.3	147.8	150.2	155.0	164.7	167.1	184.1	201.1	222.9	237.4
57.5°	84.8	87.2	87.2	92.0	94.5	101.7	109.0	118.7	138.1	159.9	174.4
60°	48.4	48.4	50.9	53.3	55.7	63.0	67.8	77.5	92.0	113.8	123.5
62.5°	31.5	31.5	33.9	33.9	36.3	41.2	46.0	55.7	67.8	84.8	94.5
65°	26.6	26.6	26.6	29.1	29.1	33.9	38.8	46.0	55.7	67.8	77.5
67.5°	21.8	21.8	21.8	24.2	24.2	26.6	31.5	36.3	43.6	53.3	60.6
70°	17.0	17.0	17.0	19.4	19.4	21.8	24.2	26.6	33.9	41.2	46.0
72.5°	12.1	12.1	14.5	14.5	14.5	17.0	19.4	21.8	26.6	31.5	33.9
75°	9.7	9.7	9.7	9.7	12.1	12.1	14.5	17.0	19.4	21.8	24.2
77.5°	4.8	4.8	7.3	7.3	7.3	9.7	9.7	12.1	14.5	17.0	17.0
80°	4.8	4.8	4.8	4.8	4.8	7.3	7.3	7.3	9.7	12.1	12.1
82.5°	2.4	2.4	2.4	2.4	2.4	4.8	4.8	4.8	7.3	7.3	7.3
85°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.8	4.8	4.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4
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: P212832

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8	2080.8
2.5°	2049.3	2056.6	2056.6	2049.3	2029.9	2046.9	2063.8	2046.9	2068.7	2029.9	2029.9
5°	2049.3	2054.1	2051.7	2042.0	2022.7	2037.2	2049.3	2032.3	2049.3	2013.0	2010.5
7.5°	2054.1	2049.3	2044.5	2032.3	2008.1	2017.8	2029.9	2010.5	2027.5	1988.7	1983.9
10°	2044.5	2037.2	2027.5	2010.5	1983.9	1991.2	1998.4	1981.5	1993.6	1954.8	1952.4
12.5°	2044.5	2032.3	2017.8	1998.4	1969.4	1974.2	1981.5	1959.7	1969.4	1933.0	1928.2
15°	2049.3	2027.5	2010.5	1988.7	1957.3	1959.7	1964.5	1940.3	1950.0	1911.2	1908.8
17.5°	2032.3	2008.1	1991.2	1964.5	1930.6	1933.0	1933.0	1908.8	1916.1	1877.3	1874.9
20°	1996.0	1966.9	1947.6	1923.3	1887.0	1887.0	1887.0	1862.8	1867.6	1833.7	1828.9
22.5°	1945.1	1913.6	1894.3	1870.0	1836.1	1833.7	1831.3	1811.9	1811.9	1780.4	1773.2
25°	1877.3	1848.2	1828.9	1807.1	1773.2	1768.3	1768.3	1751.4	1748.9	1719.9	1715.0
27.5°	1799.8	1765.9	1748.9	1729.6	1698.1	1693.2	1690.8	1681.1	1676.3	1644.8	1642.3
30°	1695.6	1666.6	1652.0	1635.1	1606.0	1601.2	1598.7	1589.1	1586.6	1555.1	1555.1
32.5°	1584.2	1547.9	1538.2	1521.2	1499.4	1497.0	1499.4	1487.3	1477.6	1455.8	1451.0
35°	1451.0	1414.6	1407.4	1400.1	1383.2	1378.3	1375.9	1373.5	1361.4	1346.8	1339.6
37.5°	1296.0	1264.5	1264.5	1262.0	1249.9	1249.9	1249.9	1245.1	1233.0	1228.1	1213.6
40°	1128.8	1104.6	1107.0	1109.4	1104.6	1107.0	1109.4	1104.6	1094.9	1090.1	1077.9
42.5°	949.6	937.4	947.1	954.4	954.4	961.7	966.5	966.5	954.4	952.0	942.3
45°	770.3	767.9	787.3	801.8	806.6	818.8	826.0	821.2	821.2	821.2	811.5
47.5°	603.2	612.9	629.8	658.9	668.6	683.1	687.9	695.2	692.8	695.2	687.9
50°	457.8	479.6	501.4	530.5	545.0	562.0	569.2	578.9	578.9	581.4	576.5
52.5°	346.4	363.4	399.7	419.1	436.0	453.0	462.7	472.4	474.8	474.8	469.9
55°	256.8	281.0	305.2	331.9	346.4	363.4	370.6	380.3	380.3	385.2	380.3
57.5°	186.5	210.7	237.4	256.8	273.7	285.8	293.1	300.4	305.2	305.2	302.8
60°	138.1	157.5	179.3	198.6	213.2	225.3	230.1	237.4	239.8	239.8	235.0
62.5°	104.2	123.5	142.9	159.9	169.6	179.3	184.1	188.9	188.9	188.9	186.5
65°	84.8	99.3	113.8	128.4	138.1	145.3	147.8	152.6	150.2	152.6	150.2
67.5°	67.8	77.5	89.6	99.3	106.6	111.4	113.8	118.7	116.3	118.7	116.3
70°	50.9	60.6	67.8	75.1	79.9	84.8	87.2	89.6	87.2	89.6	87.2
72.5°	38.8	43.6	50.9	58.1	60.6	63.0	65.4	65.4	65.4	67.8	65.4
75°	26.6	31.5	36.3	38.8	43.6	46.0	46.0	48.4	48.4	48.4	48.4
77.5°	19.4	21.8	24.2	26.6	29.1	31.5	31.5	33.9	33.9	33.9	33.9
80°	12.1	14.5	14.5	17.0	19.4	19.4	21.8	21.8	21.8	21.8	21.8
82.5°	7.3	9.7	9.7	12.1	12.1	12.1	14.5	14.5	14.5	14.5	14.5
85°	4.8	4.8	4.8	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.8	4.8	2.4	2.4
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: P212832

CATALOG NUMBER: LD6B40D010 EU6B30509050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2080.8	2080.8	2080.8	2080.8
2.5°	2049.3	2037.2	2056.6	2027.5
5°	2027.5	2015.4	2039.6	2003.3
7.5°	2000.9	1988.7	2010.5	1974.2
10°	1966.9	1954.8	1974.2	1935.4
12.5°	1937.9	1925.8	1947.6	1911.2
15°	1916.1	1904.0	1923.3	1889.4
17.5°	1882.2	1867.6	1889.4	1853.1
20°	1833.7	1824.0	1841.0	1804.6
22.5°	1778.0	1768.3	1787.7	1751.4
25°	1719.9	1707.7	1727.1	1690.8
27.5°	1644.8	1635.1	1654.5	1618.1
30°	1555.1	1545.5	1564.8	1530.9
32.5°	1453.4	1443.7	1458.2	1429.2
35°	1337.1	1329.9	1344.4	1312.9
37.5°	1211.2	1203.9	1218.4	1186.9
40°	1075.5	1068.3	1080.4	1065.8
42.5°	942.3	935.0	947.1	935.0
45°	811.5	806.6	818.8	806.6
47.5°	690.4	685.5	697.6	685.5
50°	574.1	576.5	581.4	576.5
52.5°	469.9	469.9	477.2	469.9
55°	380.3	382.7	385.2	380.3
57.5°	302.8	302.8	305.2	302.8
60°	235.0	237.4	237.4	235.0
62.5°	186.5	186.5	186.5	186.5
65°	147.8	147.8	150.2	147.8
67.5°	116.3	113.8	116.3	113.8
70°	87.2	87.2	87.2	87.2
72.5°	67.8	67.8	65.4	65.4
75°	48.4	50.9	48.4	48.4
77.5°	33.9	33.9	33.9	33.9
80°	21.8	21.8	21.8	21.8
82.5°	14.5	14.5	14.5	14.5
85°	9.7	7.3	7.3	7.3
87.5°	4.8	2.4	2.4	2.4
90°	0.0	0.0	0.0	0.0



Report Generated By E9808895 / USPTCWHP6082093





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





















(END OF REPORT)