

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: P212823

Luminaire Tested: **LD6B40D010 EU6B30508030 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212823
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 EU6B30508030 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3991.9 lumens
Efficiency: N/A
Efficacy: 92.8 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

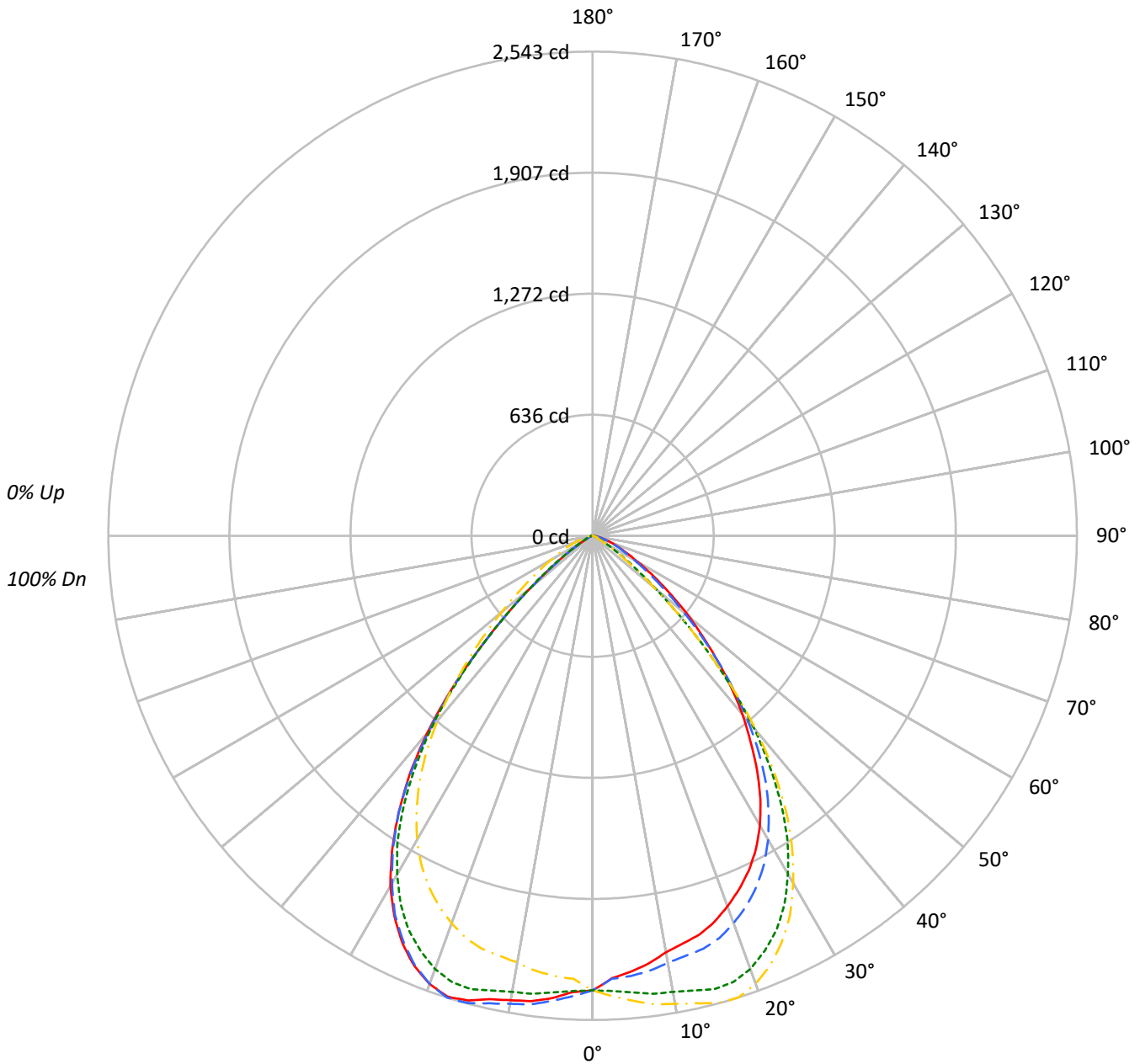
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	130889	130889	130889	130889
5°	126491	132456	134140	132456
10°	123623	135385	137856	135385
15°	123043	139921	143395	139921
20°	120801	141231	146097	141231
25°	117352	138195	142907	138195
30°	111194	129849	134419	129849
35°	100820	115697	118862	115697
40°	87521	94284	96667	94284
45°	71759	65077	65511	65077
50°	56416	36502	35794	36502
55°	41709	18064	16200	18064
60°	29559	7927	5789	7927
65°	21987	5046	3606	5046
70°	16044	4007	2677	4007
75°	11777	2944	1758	2944
80°	7892	2620	884	2620
85°	5221	1761	1761	1761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.6	5.7
10°-20°	677.0	17.0
20°-30°	1010.2	25.3
30°-40°	1037.9	26.0
40°-50°	672.1	16.8
50°-60°	249.9	6.3
60°-70°	82.0	2.1
70°-80°	28.9	0.7
80°-90°	5.2	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°	1915.8	48.0
0°-40°	2953.7	74.0
0°-60°	3875.7	97.1
0°-90°	3991.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3991.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2388	2388	2388	2388	2388	
5°	2299	2407	2438	2407	2299	217
15°	2168	2465	2527	2465	2168	610
25°	1940	2285	2363	2285	1940	889
35°	1506	1729	1776	1729	1506	935
45°	926	839	845	839	926	716
55°	436	189	170	189	436	398
65°	170	39	28	39	170	172
75°	56	14	8	14	56	61
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°	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6
2.5°	2326.4	2359.8	2337.6	2351.5	2329.2	2329.2	2373.7	2348.7	2368.1	2348.7	2329.2
5°	2298.6	2340.3	2312.5	2326.4	2307.0	2309.8	2351.5	2332.0	2351.5	2337.6	2320.9
7.5°	2265.3	2307.0	2282.0	2295.9	2276.4	2282.0	2326.4	2307.0	2329.2	2315.3	2304.2
10°	2220.8	2265.3	2243.1	2256.9	2240.3	2243.1	2287.5	2273.6	2293.1	2284.7	2276.4
12.5°	2193.0	2234.7	2209.7	2223.6	2212.5	2218.0	2259.7	2248.6	2273.6	2265.3	2259.7
15°	2168.0	2206.9	2184.7	2198.6	2190.2	2193.0	2237.5	2226.4	2254.2	2248.6	2245.8
17.5°	2126.3	2168.0	2143.0	2159.7	2151.3	2154.1	2198.6	2190.2	2218.0	2218.0	2215.3
20°	2070.7	2112.4	2093.0	2104.1	2098.5	2104.1	2143.0	2137.4	2165.2	2165.2	2165.2
22.5°	2009.6	2051.3	2029.0	2040.1	2034.6	2042.9	2079.1	2079.1	2101.3	2104.1	2106.9
25°	1940.1	1981.8	1959.5	1973.4	1967.9	1973.4	2006.8	2009.6	2029.0	2029.0	2034.6
27.5°	1856.7	1898.4	1876.2	1887.3	1884.5	1887.3	1923.4	1929.0	1940.1	1942.9	1948.4
30°	1756.6	1795.6	1773.3	1784.4	1784.4	1784.4	1820.6	1823.3	1834.5	1837.2	1842.8
32.5°	1639.9	1673.3	1656.6	1667.7	1664.9	1670.5	1695.5	1706.6	1720.5	1717.7	1720.5
35°	1506.5	1542.6	1525.9	1534.3	1537.1	1545.4	1562.1	1576.0	1578.8	1581.5	1587.1
37.5°	1362.0	1398.1	1381.4	1389.7	1392.5	1409.2	1414.8	1428.7	1434.2	1434.2	1434.2
40°	1223.0	1239.7	1225.8	1234.1	1236.9	1250.8	1256.3	1267.4	1273.0	1270.2	1267.4
42.5°	1072.9	1086.8	1072.9	1081.2	1081.2	1092.3	1095.1	1109.0	1109.0	1103.5	1095.1
45°	925.6	939.5	925.6	931.1	931.1	942.2	942.2	942.2	947.8	939.5	925.6
47.5°	786.6	800.5	786.6	792.2	789.4	797.7	794.9	797.7	789.4	783.8	767.1
50°	661.5	667.1	661.5	658.7	661.5	667.1	664.3	664.3	653.2	644.8	625.4
52.5°	539.2	547.6	539.2	539.2	539.2	544.8	544.8	542.0	530.9	519.8	500.3
55°	436.4	441.9	439.2	436.4	436.4	441.9	436.4	436.4	425.3	416.9	397.5
57.5°	347.4	350.2	347.4	347.4	347.4	350.2	350.2	344.7	336.3	328.0	314.1
60°	269.6	272.4	272.4	269.6	269.6	275.2	275.2	272.4	264.1	258.5	244.6
62.5°	214.0	214.0	214.0	214.0	214.0	216.8	216.8	216.8	211.2	205.7	194.6
65°	169.5	172.3	169.5	169.5	172.3	175.1	172.3	175.1	169.5	166.8	158.4
67.5°	130.6	133.4	130.6	133.4	133.4	136.2	133.4	136.2	130.6	127.9	122.3
70°	100.1	100.1	100.1	100.1	100.1	102.8	100.1	102.8	100.1	97.3	91.7
72.5°	75.0	75.0	77.8	77.8	75.0	77.8	75.0	75.0	75.0	72.3	69.5
75°	55.6	55.6	58.4	55.6	55.6	55.6	55.6	55.6	52.8	52.8	50.0
77.5°	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	36.1	36.1	33.4
80°	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	22.2	22.2
82.5°	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	13.9	13.9
85°	8.3	8.3	8.3	11.1	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	2.8	2.8	2.8	5.6	2.8	2.8	5.6	5.6	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°	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6
2.5°	2351.5	2359.8	2359.8	2351.5	2370.9	2354.2	2387.6	2357.0	2365.4	2393.1	2390.4
5°	2343.1	2354.2	2357.0	2351.5	2376.5	2362.6	2395.9	2365.4	2379.2	2407.0	2407.0
7.5°	2332.0	2345.9	2351.5	2357.0	2379.2	2365.4	2404.3	2373.7	2393.1	2426.5	2423.7
10°	2307.0	2326.4	2337.6	2345.9	2368.1	2359.8	2401.5	2376.5	2393.1	2432.1	2429.3
12.5°	2293.1	2315.3	2332.0	2345.9	2370.9	2365.4	2407.0	2384.8	2407.0	2446.0	2446.0
15°	2282.0	2307.0	2326.4	2351.5	2376.5	2370.9	2415.4	2395.9	2418.2	2465.4	2462.6
17.5°	2254.2	2284.7	2304.2	2332.0	2357.0	2354.2	2401.5	2387.6	2412.6	2457.1	2459.9
20°	2206.9	2234.7	2256.9	2290.3	2318.1	2312.5	2362.6	2348.7	2373.7	2420.9	2423.7
22.5°	2145.8	2173.6	2195.8	2231.9	2256.9	2254.2	2304.2	2290.3	2315.3	2359.8	2362.6
25°	2073.5	2098.5	2120.8	2154.1	2181.9	2181.9	2226.4	2212.5	2240.3	2284.7	2284.7
27.5°	1984.6	2006.8	2026.3	2065.2	2087.4	2087.4	2129.1	2115.2	2143.0	2181.9	2179.1
30°	1876.2	1895.6	1912.3	1945.6	1965.1	1967.9	2004.0	1990.1	2017.9	2051.3	2051.3
32.5°	1745.5	1765.0	1776.1	1817.8	1831.7	1828.9	1856.7	1842.8	1870.6	1906.7	1898.4
35°	1606.5	1614.9	1623.2	1664.9	1670.5	1659.4	1687.2	1673.3	1692.7	1728.8	1723.3
37.5°	1448.1	1450.9	1450.9	1487.0	1489.8	1481.5	1498.1	1481.5	1495.4	1528.7	1525.9
40°	1273.0	1270.2	1267.4	1295.2	1292.5	1275.8	1286.9	1273.0	1292.5	1317.5	1303.6
42.5°	1095.1	1086.8	1075.7	1089.6	1078.4	1064.5	1070.1	1047.9	1061.8	1081.2	1064.5
45°	920.0	903.3	881.1	883.9	870.0	853.3	845.0	822.7	820.0	839.4	825.5
47.5°	756.0	722.7	703.2	692.1	669.9	656.0	639.3	614.3	603.2	614.3	600.4
50°	608.7	575.4	550.3	525.3	503.1	486.4	458.6	441.9	425.3	428.0	416.9
52.5°	480.9	458.6	416.9	397.5	375.2	355.8	330.8	311.3	291.8	291.8	280.7
55°	380.8	350.2	322.4	294.6	272.4	255.7	230.7	211.2	191.8	189.0	177.9
57.5°	294.6	272.4	241.8	214.0	200.1	183.4	158.4	136.2	125.1	116.7	108.4
60°	227.9	205.7	180.7	158.4	141.8	130.6	105.6	88.9	77.8	72.3	63.9
62.5°	183.4	164.0	141.8	119.5	108.4	97.3	77.8	63.9	52.8	47.3	41.7
65°	147.3	130.6	114.0	97.3	88.9	77.8	63.9	52.8	44.5	38.9	33.4
67.5°	114.0	102.8	88.9	77.8	69.5	61.1	50.0	41.7	36.1	30.6	27.8
70°	86.2	77.8	69.5	58.4	52.8	47.3	38.9	30.6	27.8	25.0	22.2
72.5°	66.7	58.4	50.0	44.5	38.9	36.1	30.6	25.0	22.2	19.5	16.7
75°	44.5	41.7	36.1	30.6	27.8	25.0	22.2	19.5	16.7	13.9	13.9
77.5°	30.6	27.8	25.0	22.2	19.5	19.5	16.7	13.9	11.1	11.1	8.3
80°	19.5	16.7	16.7	13.9	13.9	13.9	11.1	8.3	8.3	8.3	5.6
82.5°	13.9	11.1	11.1	8.3	8.3	8.3	8.3	5.6	5.6	5.6	2.8
85°	8.3	5.6	5.6	5.6	5.6	5.6	5.6	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°	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6
2.5°	2368.1	2393.1	2393.1	2415.4	2418.2	2412.6	2387.6	2387.6	2420.9	2440.4	2407.0
5°	2390.4	2415.4	2415.4	2437.6	2448.7	2440.4	2415.4	2418.2	2451.5	2473.8	2440.4
7.5°	2409.8	2434.8	2440.4	2465.4	2473.8	2465.4	2440.4	2446.0	2482.1	2501.5	2468.2
10°	2418.2	2443.2	2446.0	2473.8	2484.9	2473.8	2454.3	2457.1	2496.0	2509.9	2479.3
12.5°	2437.6	2462.6	2462.6	2493.2	2504.3	2496.0	2471.0	2476.5	2515.4	2529.3	2498.8
15°	2457.1	2482.1	2482.1	2515.4	2529.3	2518.2	2498.8	2501.5	2540.5	2554.4	2529.3
17.5°	2457.1	2479.3	2479.3	2515.4	2529.3	2521.0	2498.8	2501.5	2543.2	2554.4	2529.3
20°	2420.9	2446.0	2440.4	2476.5	2490.4	2482.1	2462.6	2462.6	2504.3	2515.4	2490.4
22.5°	2362.6	2384.8	2379.2	2412.6	2429.3	2418.2	2401.5	2398.7	2440.4	2451.5	2426.5
25°	2282.0	2304.2	2298.6	2332.0	2348.7	2334.8	2315.3	2318.1	2351.5	2368.1	2345.9
27.5°	2187.5	2201.4	2193.0	2226.4	2243.1	2229.2	2209.7	2212.5	2245.8	2256.9	2240.3
30°	2059.6	2070.7	2062.4	2090.2	2101.3	2093.0	2076.3	2076.3	2106.9	2120.8	2104.1
32.5°	1906.7	1915.1	1906.7	1929.0	1951.2	1934.5	1917.9	1917.9	1951.2	1962.3	1942.9
35°	1728.8	1737.2	1731.6	1753.9	1770.5	1748.3	1734.4	1728.8	1773.3	1767.8	1756.6
37.5°	1531.5	1537.1	1520.4	1559.3	1567.6	1542.6	1531.5	1525.9	1564.9	1562.1	1551.0
40°	1309.1	1314.7	1303.6	1331.4	1334.2	1314.7	1306.4	1298.0	1336.9	1334.2	1325.8
42.5°	1072.9	1075.7	1061.8	1084.0	1089.6	1070.1	1067.3	1056.2	1092.3	1086.8	1084.0
45°	828.3	828.3	817.2	833.8	839.4	822.7	817.2	814.4	839.4	839.4	833.8
47.5°	600.4	592.0	578.1	603.2	605.9	594.8	592.0	583.7	608.7	608.7	603.2
50°	411.4	408.6	405.8	411.4	414.1	400.2	408.6	400.2	414.1	414.1	414.1
52.5°	275.2	272.4	266.8	272.4	272.4	264.1	264.1	261.3	272.4	272.4	266.8
55°	172.3	169.5	166.8	169.5	169.5	161.2	166.8	161.2	166.8	166.8	164.0
57.5°	105.6	100.1	100.1	97.3	97.3	91.7	94.5	94.5	94.5	94.5	94.5
60°	61.1	58.4	55.6	55.6	55.6	52.8	52.8	52.8	52.8	52.8	52.8
62.5°	38.9	38.9	36.1	36.1	36.1	36.1	36.1	33.4	36.1	36.1	36.1
65°	33.4	30.6	30.6	30.6	30.6	27.8	27.8	27.8	27.8	27.8	27.8
67.5°	27.8	25.0	25.0	25.0	25.0	22.2	22.2	22.2	22.2	22.2	22.2
70°	22.2	19.5	19.5	19.5	19.5	19.5	16.7	19.5	19.5	16.7	16.7
72.5°	16.7	16.7	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
75°	11.1	11.1	11.1	11.1	11.1	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	8.3	8.3	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
80°	5.6	5.6	5.6	5.6	5.6	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: P212823

CATALOG NUMBER: LD6B40D010 EU6B30508030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6
2.5°	2446.0	2418.2	2404.3	2432.1	2443.2	2429.3	2418.2	2398.7	2418.2	2429.3	2443.2
5°	2479.3	2454.3	2443.2	2462.6	2479.3	2465.4	2457.1	2437.6	2457.1	2465.4	2479.3
7.5°	2509.9	2484.9	2471.0	2490.4	2509.9	2490.4	2482.1	2465.4	2482.1	2490.4	2509.9
10°	2521.0	2493.2	2482.1	2498.8	2518.2	2498.8	2487.6	2476.5	2487.6	2498.8	2518.2
12.5°	2540.5	2512.7	2498.8	2512.7	2532.1	2512.7	2501.5	2493.2	2501.5	2512.7	2532.1
15°	2568.3	2543.2	2526.6	2540.5	2565.5	2543.2	2529.3	2526.6	2529.3	2543.2	2565.5
17.5°	2568.3	2548.8	2532.1	2543.2	2568.3	2551.6	2532.1	2537.7	2532.1	2551.6	2568.3
20°	2532.1	2512.7	2498.8	2498.8	2534.9	2512.7	2496.0	2504.3	2496.0	2512.7	2534.9
22.5°	2468.2	2451.5	2437.6	2434.8	2471.0	2451.5	2429.3	2446.0	2429.3	2451.5	2471.0
25°	2384.8	2368.1	2357.0	2351.5	2387.6	2365.4	2345.9	2362.6	2345.9	2365.4	2387.6
27.5°	2276.4	2262.5	2251.4	2243.1	2276.4	2256.9	2237.5	2254.2	2237.5	2256.9	2276.4
30°	2137.4	2129.1	2118.0	2106.9	2140.2	2120.8	2101.3	2123.5	2101.3	2120.8	2140.2
32.5°	1976.2	1970.7	1956.8	1945.6	1979.0	1956.8	1942.9	1959.5	1942.9	1956.8	1979.0
35°	1790.0	1781.7	1773.3	1753.9	1790.0	1770.5	1770.5	1776.1	1770.5	1770.5	1790.0
37.5°	1581.5	1576.0	1564.9	1548.2	1578.8	1564.9	1559.3	1576.0	1559.3	1564.9	1578.8
40°	1348.1	1345.3	1336.9	1317.5	1350.8	1336.9	1328.6	1350.8	1328.6	1336.9	1350.8
42.5°	1103.5	1097.9	1089.6	1086.8	1103.5	1092.3	1100.7	1100.7	1100.7	1092.3	1103.5
45°	850.5	845.0	839.4	828.3	847.7	842.2	839.4	845.0	839.4	842.2	847.7
47.5°	617.0	611.5	605.9	597.6	617.0	608.7	608.7	614.3	608.7	608.7	617.0
50°	414.1	416.9	414.1	408.6	414.1	411.4	414.1	419.7	414.1	411.4	414.1
52.5°	275.2	275.2	269.6	266.8	272.4	269.6	277.9	272.4	277.9	269.6	272.4
55°	166.8	169.5	166.8	164.0	166.8	164.0	172.3	169.5	172.3	164.0	166.8
57.5°	94.5	94.5	97.3	94.5	100.1	97.3	97.3	97.3	97.3	97.3	100.1
60°	52.8	52.8	52.8	52.8	52.8	52.8	55.6	52.8	55.6	52.8	52.8
62.5°	36.1	36.1	36.1	33.4	36.1	33.4	36.1	36.1	36.1	33.4	36.1
65°	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
67.5°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
70°	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
72.5°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
75°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
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: P212823

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6
2.5°	2432.1	2404.3	2418.2	2446.0	2407.0	2440.4	2420.9	2387.6	2387.6	2412.6	2418.2
5°	2462.6	2443.2	2454.3	2479.3	2440.4	2473.8	2451.5	2418.2	2415.4	2440.4	2448.7
7.5°	2490.4	2471.0	2484.9	2509.9	2468.2	2501.5	2482.1	2446.0	2440.4	2465.4	2473.8
10°	2498.8	2482.1	2493.2	2521.0	2479.3	2509.9	2496.0	2457.1	2454.3	2473.8	2484.9
12.5°	2512.7	2498.8	2512.7	2540.5	2498.8	2529.3	2515.4	2476.5	2471.0	2496.0	2504.3
15°	2540.5	2526.6	2543.2	2568.3	2529.3	2554.4	2540.5	2501.5	2498.8	2518.2	2529.3
17.5°	2543.2	2532.1	2548.8	2568.3	2529.3	2554.4	2543.2	2501.5	2498.8	2521.0	2529.3
20°	2498.8	2498.8	2512.7	2532.1	2490.4	2515.4	2504.3	2462.6	2462.6	2482.1	2490.4
22.5°	2434.8	2437.6	2451.5	2468.2	2426.5	2451.5	2440.4	2398.7	2401.5	2418.2	2429.3
25°	2351.5	2357.0	2368.1	2384.8	2345.9	2368.1	2351.5	2318.1	2315.3	2334.8	2348.7
27.5°	2243.1	2251.4	2262.5	2276.4	2240.3	2256.9	2245.8	2212.5	2209.7	2229.2	2243.1
30°	2106.9	2118.0	2129.1	2137.4	2104.1	2120.8	2106.9	2076.3	2076.3	2093.0	2101.3
32.5°	1945.6	1956.8	1970.7	1976.2	1942.9	1962.3	1951.2	1917.9	1917.9	1934.5	1951.2
35°	1753.9	1773.3	1781.7	1790.0	1756.6	1767.8	1773.3	1728.8	1734.4	1748.3	1770.5
37.5°	1548.2	1564.9	1576.0	1581.5	1551.0	1562.1	1564.9	1525.9	1531.5	1542.6	1567.6
40°	1317.5	1336.9	1345.3	1348.1	1325.8	1334.2	1336.9	1298.0	1306.4	1314.7	1334.2
42.5°	1086.8	1089.6	1097.9	1103.5	1084.0	1086.8	1092.3	1056.2	1067.3	1070.1	1089.6
45°	828.3	839.4	845.0	850.5	833.8	839.4	839.4	814.4	817.2	822.7	839.4
47.5°	597.6	605.9	611.5	617.0	603.2	608.7	608.7	583.7	592.0	594.8	605.9
50°	408.6	414.1	416.9	414.1	414.1	414.1	414.1	400.2	408.6	400.2	414.1
52.5°	266.8	269.6	275.2	275.2	266.8	272.4	272.4	261.3	264.1	264.1	272.4
55°	164.0	166.8	169.5	166.8	164.0	166.8	166.8	161.2	166.8	161.2	169.5
57.5°	94.5	97.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	91.7	97.3
60°	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	55.6
62.5°	33.4	36.1	36.1	36.1	36.1	36.1	36.1	33.4	36.1	36.1	36.1
65°	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	30.6
67.5°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	25.0
70°	16.7	16.7	16.7	16.7	16.7	16.7	19.5	19.5	16.7	19.5	19.5
72.5°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
75°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	11.1
77.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
80°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.6
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: P212823

CATALOG NUMBER: LD6B40D010 EU6B30508030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6
2.5°	2415.4	2393.1	2393.1	2368.1	2390.4	2393.1	2365.4	2357.0	2387.6	2354.2	2370.9
5°	2437.6	2415.4	2415.4	2390.4	2407.0	2407.0	2379.2	2365.4	2395.9	2362.6	2376.5
7.5°	2465.4	2440.4	2434.8	2409.8	2423.7	2426.5	2393.1	2373.7	2404.3	2365.4	2379.2
10°	2473.8	2446.0	2443.2	2418.2	2429.3	2432.1	2393.1	2376.5	2401.5	2359.8	2368.1
12.5°	2493.2	2462.6	2462.6	2437.6	2446.0	2446.0	2407.0	2384.8	2407.0	2365.4	2370.9
15°	2515.4	2482.1	2482.1	2457.1	2462.6	2465.4	2418.2	2395.9	2415.4	2370.9	2376.5
17.5°	2515.4	2479.3	2479.3	2457.1	2459.9	2457.1	2412.6	2387.6	2401.5	2354.2	2357.0
20°	2476.5	2440.4	2446.0	2420.9	2423.7	2420.9	2373.7	2348.7	2362.6	2312.5	2318.1
22.5°	2412.6	2379.2	2384.8	2362.6	2362.6	2359.8	2315.3	2290.3	2304.2	2254.2	2256.9
25°	2332.0	2298.6	2304.2	2282.0	2284.7	2284.7	2240.3	2212.5	2226.4	2181.9	2181.9
27.5°	2226.4	2193.0	2201.4	2187.5	2179.1	2181.9	2143.0	2115.2	2129.1	2087.4	2087.4
30°	2090.2	2062.4	2070.7	2059.6	2051.3	2051.3	2017.9	1990.1	2004.0	1967.9	1965.1
32.5°	1929.0	1906.7	1915.1	1906.7	1898.4	1906.7	1870.6	1842.8	1856.7	1828.9	1831.7
35°	1753.9	1731.6	1737.2	1728.8	1723.3	1728.8	1692.7	1673.3	1687.2	1659.4	1670.5
37.5°	1559.3	1520.4	1537.1	1531.5	1525.9	1528.7	1495.4	1481.5	1498.1	1481.5	1489.8
40°	1331.4	1303.6	1314.7	1309.1	1303.6	1317.5	1292.5	1273.0	1286.9	1275.8	1292.5
42.5°	1084.0	1061.8	1075.7	1072.9	1064.5	1081.2	1061.8	1047.9	1070.1	1064.5	1078.4
45°	833.8	817.2	828.3	828.3	825.5	839.4	820.0	822.7	845.0	853.3	870.0
47.5°	603.2	578.1	592.0	600.4	600.4	614.3	603.2	614.3	639.3	656.0	669.9
50°	411.4	405.8	408.6	411.4	416.9	428.0	425.3	441.9	458.6	486.4	503.1
52.5°	272.4	266.8	272.4	275.2	280.7	291.8	291.8	311.3	330.8	355.8	375.2
55°	169.5	166.8	169.5	172.3	177.9	189.0	191.8	211.2	230.7	255.7	272.4
57.5°	97.3	100.1	100.1	105.6	108.4	116.7	125.1	136.2	158.4	183.4	200.1
60°	55.6	55.6	58.4	61.1	63.9	72.3	77.8	88.9	105.6	130.6	141.8
62.5°	36.1	36.1	38.9	38.9	41.7	47.3	52.8	63.9	77.8	97.3	108.4
65°	30.6	30.6	30.6	33.4	33.4	38.9	44.5	52.8	63.9	77.8	88.9
67.5°	25.0	25.0	25.0	27.8	27.8	30.6	36.1	41.7	50.0	61.1	69.5
70°	19.5	19.5	19.5	22.2	22.2	25.0	27.8	30.6	38.9	47.3	52.8
72.5°	13.9	13.9	16.7	16.7	16.7	19.5	22.2	25.0	30.6	36.1	38.9
75°	11.1	11.1	11.1	11.1	13.9	13.9	16.7	19.5	22.2	25.0	27.8
77.5°	5.6	5.6	8.3	8.3	8.3	11.1	11.1	13.9	16.7	19.5	19.5
80°	5.6	5.6	5.6	5.6	5.6	8.3	8.3	8.3	11.1	13.9	13.9
82.5°	2.8	2.8	2.8	2.8	2.8	5.6	5.6	5.6	8.3	8.3	8.3
85°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.6	5.6	5.6
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: P212823

CATALOG NUMBER: LD6B40D010 EU6B30508030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6	2387.6
2.5°	2351.5	2359.8	2359.8	2351.5	2329.2	2348.7	2368.1	2348.7	2373.7	2329.2	2329.2
5°	2351.5	2357.0	2354.2	2343.1	2320.9	2337.6	2351.5	2332.0	2351.5	2309.8	2307.0
7.5°	2357.0	2351.5	2345.9	2332.0	2304.2	2315.3	2329.2	2307.0	2326.4	2282.0	2276.4
10°	2345.9	2337.6	2326.4	2307.0	2276.4	2284.7	2293.1	2273.6	2287.5	2243.1	2240.3
12.5°	2345.9	2332.0	2315.3	2293.1	2259.7	2265.3	2273.6	2248.6	2259.7	2218.0	2212.5
15°	2351.5	2326.4	2307.0	2282.0	2245.8	2248.6	2254.2	2226.4	2237.5	2193.0	2190.2
17.5°	2332.0	2304.2	2284.7	2254.2	2215.3	2218.0	2218.0	2190.2	2198.6	2154.1	2151.3
20°	2290.3	2256.9	2234.7	2206.9	2165.2	2165.2	2165.2	2137.4	2143.0	2104.1	2098.5
22.5°	2231.9	2195.8	2173.6	2145.8	2106.9	2104.1	2101.3	2079.1	2079.1	2042.9	2034.6
25°	2154.1	2120.8	2098.5	2073.5	2034.6	2029.0	2029.0	2009.6	2006.8	1973.4	1967.9
27.5°	2065.2	2026.3	2006.8	1984.6	1948.4	1942.9	1940.1	1929.0	1923.4	1887.3	1884.5
30°	1945.6	1912.3	1895.6	1876.2	1842.8	1837.2	1834.5	1823.3	1820.6	1784.4	1784.4
32.5°	1817.8	1776.1	1765.0	1745.5	1720.5	1717.7	1720.5	1706.6	1695.5	1670.5	1664.9
35°	1664.9	1623.2	1614.9	1606.5	1587.1	1581.5	1578.8	1576.0	1562.1	1545.4	1537.1
37.5°	1487.0	1450.9	1450.9	1448.1	1434.2	1434.2	1434.2	1428.7	1414.8	1409.2	1392.5
40°	1295.2	1267.4	1270.2	1273.0	1267.4	1270.2	1273.0	1267.4	1256.3	1250.8	1236.9
42.5°	1089.6	1075.7	1086.8	1095.1	1095.1	1103.5	1109.0	1109.0	1095.1	1092.3	1081.2
45°	883.9	881.1	903.3	920.0	925.6	939.5	947.8	942.2	942.2	942.2	931.1
47.5°	692.1	703.2	722.7	756.0	767.1	783.8	789.4	797.7	794.9	797.7	789.4
50°	525.3	550.3	575.4	608.7	625.4	644.8	653.2	664.3	664.3	667.1	661.5
52.5°	397.5	416.9	458.6	480.9	500.3	519.8	530.9	542.0	544.8	544.8	539.2
55°	294.6	322.4	350.2	380.8	397.5	416.9	425.3	436.4	436.4	441.9	436.4
57.5°	214.0	241.8	272.4	294.6	314.1	328.0	336.3	344.7	350.2	350.2	347.4
60°	158.4	180.7	205.7	227.9	244.6	258.5	264.1	272.4	275.2	275.2	269.6
62.5°	119.5	141.8	164.0	183.4	194.6	205.7	211.2	216.8	216.8	216.8	214.0
65°	97.3	114.0	130.6	147.3	158.4	166.8	169.5	175.1	172.3	175.1	172.3
67.5°	77.8	88.9	102.8	114.0	122.3	127.9	130.6	136.2	133.4	136.2	133.4
70°	58.4	69.5	77.8	86.2	91.7	97.3	100.1	102.8	100.1	102.8	100.1
72.5°	44.5	50.0	58.4	66.7	69.5	72.3	75.0	75.0	75.0	77.8	75.0
75°	30.6	36.1	41.7	44.5	50.0	52.8	52.8	55.6	55.6	55.6	55.6
77.5°	22.2	25.0	27.8	30.6	33.4	36.1	36.1	38.9	38.9	38.9	38.9
80°	13.9	16.7	16.7	19.5	22.2	22.2	25.0	25.0	25.0	25.0	25.0
82.5°	8.3	11.1	11.1	13.9	13.9	13.9	16.7	16.7	16.7	16.7	16.7
85°	5.6	5.6	5.6	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.6	5.6	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: P212823

CATALOG NUMBER: LD6B40D010 EU6B30508030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2387.6	2387.6	2387.6	2387.6
2.5°	2351.5	2337.6	2359.8	2326.4
5°	2326.4	2312.5	2340.3	2298.6
7.5°	2295.9	2282.0	2307.0	2265.3
10°	2256.9	2243.1	2265.3	2220.8
12.5°	2223.6	2209.7	2234.7	2193.0
15°	<i>2198.6</i>	<i>2184.7</i>	<i>2206.9</i>	<i>2168.0</i>
17.5°	2159.7	2143.0	2168.0	2126.3
20°	2104.1	2093.0	2112.4	2070.7
22.5°	2040.1	2029.0	2051.3	2009.6
25°	1973.4	1959.5	1981.8	1940.1
27.5°	1887.3	1876.2	1898.4	1856.7
30°	1784.4	1773.3	1795.6	1756.6
32.5°	1667.7	1656.6	1673.3	1639.9
35°	1534.3	1525.9	1542.6	1506.5
37.5°	1389.7	1381.4	1398.1	1362.0
40°	1234.1	1225.8	1239.7	1223.0
42.5°	1081.2	1072.9	1086.8	1072.9
45°	931.1	925.6	939.5	925.6
47.5°	792.2	786.6	800.5	786.6
50°	658.7	661.5	667.1	661.5
52.5°	539.2	539.2	547.6	539.2
55°	436.4	439.2	441.9	436.4
57.5°	347.4	347.4	350.2	347.4
60°	269.6	272.4	272.4	269.6
62.5°	214.0	214.0	214.0	214.0
65°	169.5	169.5	172.3	169.5
67.5°	133.4	130.6	133.4	130.6
70°	100.1	100.1	100.1	100.1
72.5°	77.8	77.8	75.0	75.0
75°	55.6	58.4	55.6	55.6
77.5°	38.9	38.9	38.9	38.9
80°	25.0	25.0	25.0	25.0
82.5°	16.7	16.7	16.7	16.7
85°	11.1	8.3	8.3	8.3
87.5°	5.6	2.8	2.8	2.8
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)